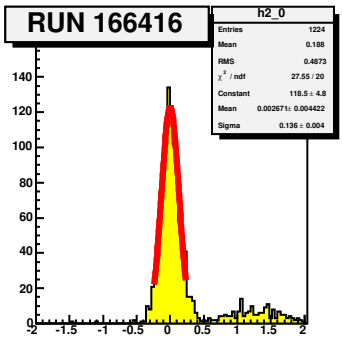
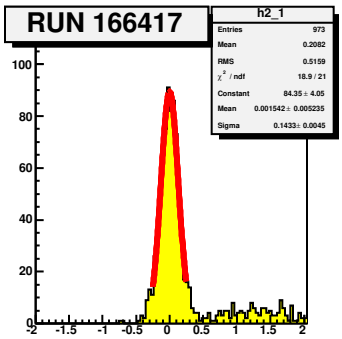
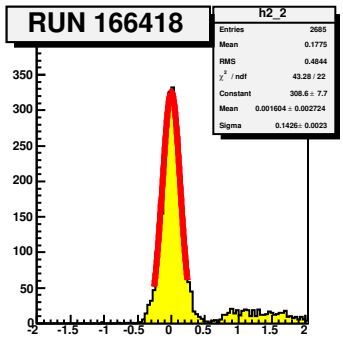
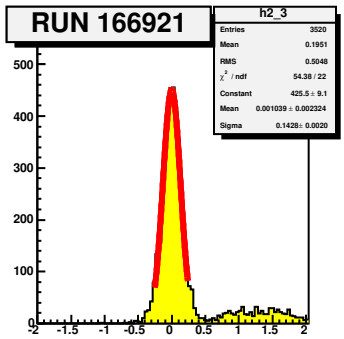
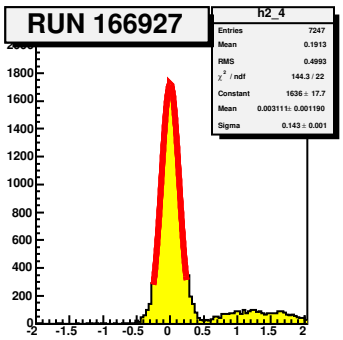
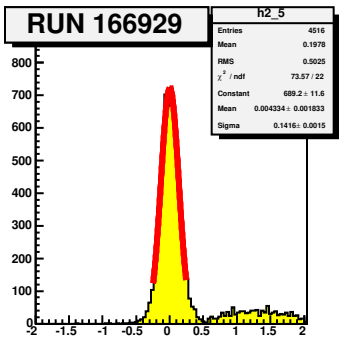

RUN 166416
h2_0
Entries 1224
Mean 0.188
RMS 0.4873
χ² / ndf 27.55 / 20
Constant 118.5 ± 4.8
Mean 0.002671± 0.004422
Sigma 0.136 ± 0.004

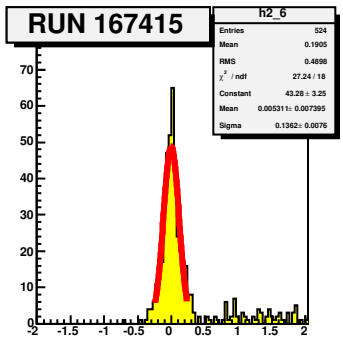

RUN 166417
h2_1
Entries 973
Mean 0.2082
RMS 0.5159
χ² / ndf 18.9 / 21
Constant 84.35 ± 4.05
Mean 0.001542± 0.005235
Sigma 0.1433± 0.0045

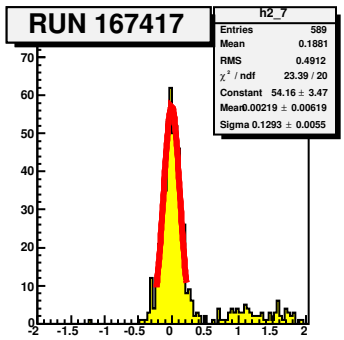

RUN 166418
h2_2
Entries 2685
Mean 0.1775
RMS 0.4844
χ² / ndf 43.28 / 22
Constant 308.6 ± 7.7
Mean 0.001604 ± 0.002724
Sigma 0.1426± 0.0023

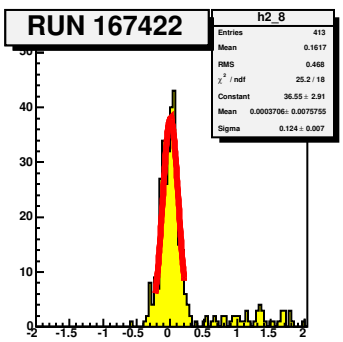

RUN 166921
h2_3
Entries 3520
Mean 0.1951
RMS 0.5048
χ² / ndf 54.38 / 22
Constant 425.5 ± 9.1
Mean 0.001039 ± 0.002324
Sigma 0.1428± 0.0020

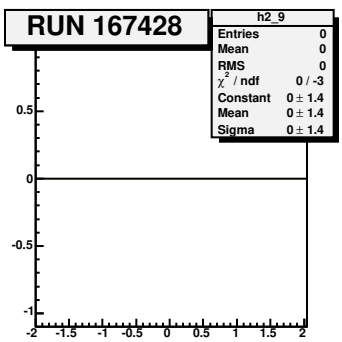

RUN 166927
h2_4
Entries 7247
Mean 0.1913
RMS 0.4993
χ² / ndf 144.3 / 22
Constant 1636 ± 17.7
Mean 0.003111± 0.001190
Sigma 0.143 ± 0.001

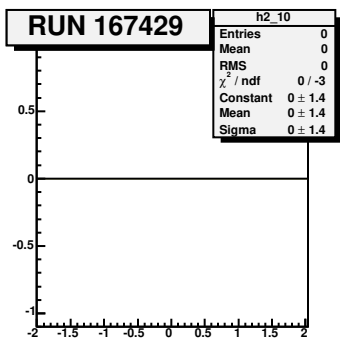

RUN 166929
h2_5
Entries 4516
Mean 0.1978
RMS 0.5025
χ² / ndf 73.57 / 22
Constant 689.2 ± 11.6
Mean 0.004334± 0.001833
Sigma 0.1416± 0.0015

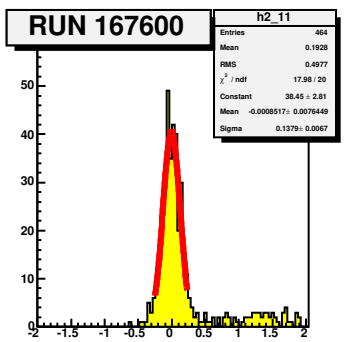

RUN 167415
h2_6
Entries 524
Mean 0.1905
RMS 0.4898
χ² / ndf 27.24 / 18
Constant 43.28 ± 3.25
Mean 0.005311± 0.007395
Sigma 0.1362± 0.0076

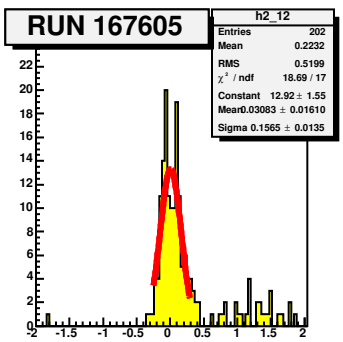

RUN 167417
h2_7
Entries 589
Mean 0.1881
RMS 0.4912
χ² / ndf 23.39 / 20
Constant 54.16 ± 3.47
Mean 0.00219 ± 0.00619
Sigma 0.1293 ± 0.0055

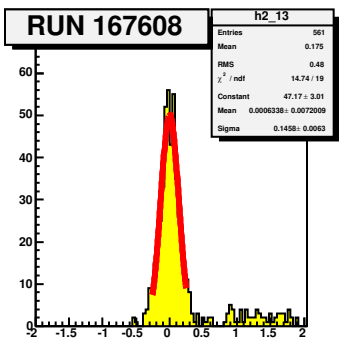

RUN 167422
h2_8
Entries 413
Mean 0.1617
RMS 0.468
χ² / ndf 25.2 / 18
Constant 36.55 ± 2.91
Mean 0.0003706± 0.0075755
Sigma 0.124 ± 0.007

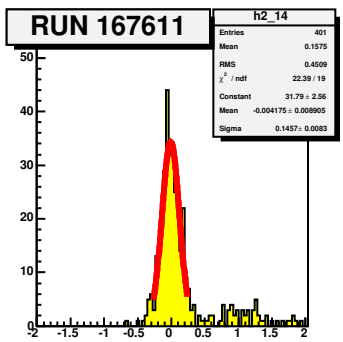

RUN 167428
h2_9
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

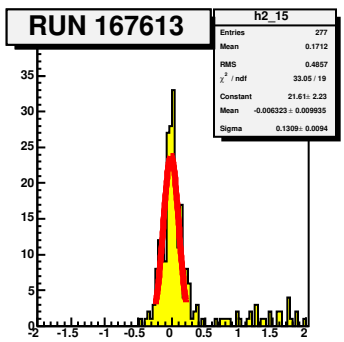

RUN 167429
h2_10
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

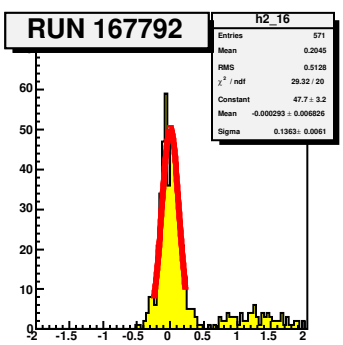

RUN 167600
h2_11
Entries 464
Mean 0.1928
RMS 0.4977
χ² / ndf 17.98 / 20
Constant 38.45 ± 2.81
Mean -0.0008517± 0.0076449
Sigma 0.1379± 0.0067

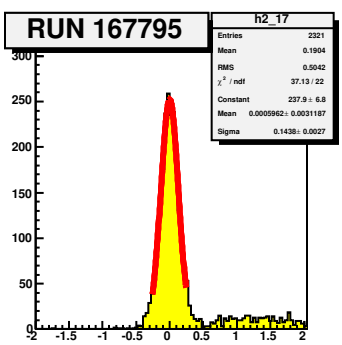

RUN 167605
h2_12
Entries 202
Mean 0.2232
RMS 0.5199
χ² / ndf 18.69 / 17
Constant 12.92 ± 1.55
Mean 0.03083 ± 0.01610
Sigma 0.1565 ± 0.0135

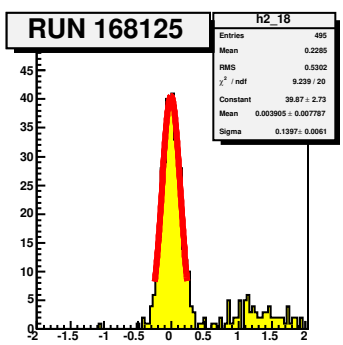

RUN 167608
h2_13
Entries 561
Mean 0.175
RMS 0.48
χ² / ndf 14.74 / 19
Constant 47.17 ± 3.01
Mean 0.0006338± 0.0072009
Sigma 0.1458± 0.0063

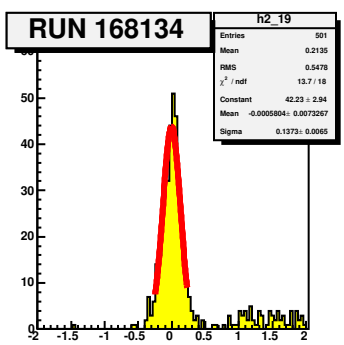

RUN 167611
h2_14
Entries 401
Mean 0.1575
RMS 0.4509
χ² / ndf 22.39 / 19
Constant 31.79 ± 2.56
Mean -0.004175 ± 0.008905
Sigma 0.1457± 0.0083

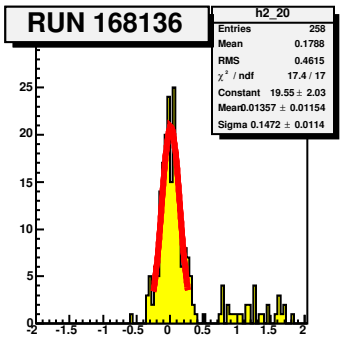

RUN 167613
h2_15
Entries 277
Mean 0.1712
RMS 0.4857
χ² / ndf 33.05 / 19
Constant 21.61± 2.23
Mean -0.006323 ± 0.009935
Sigma 0.1309± 0.0094

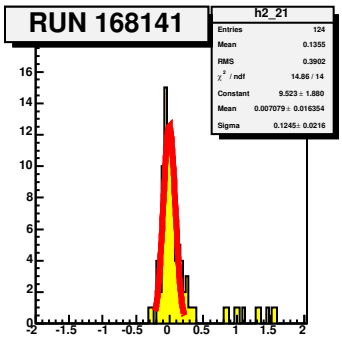

RUN 167792
h2_16
Entries 571
Mean 0.2045
RMS 0.5128
χ² / ndf 29.32 / 20
Constant 47.7 ± 3.2
Mean -0.000293 ± 0.006826
Sigma 0.1363± 0.0061

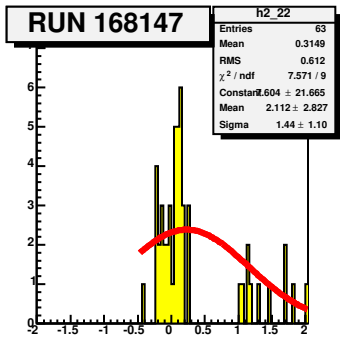

RUN 167795
h2_17
Entries 2321
Mean 0.1904
RMS 0.5042
χ² / ndf 37.13 / 22
Constant 237.9 ± 6.8
Mean 0.0005962± 0.0031187
Sigma 0.1438± 0.0027

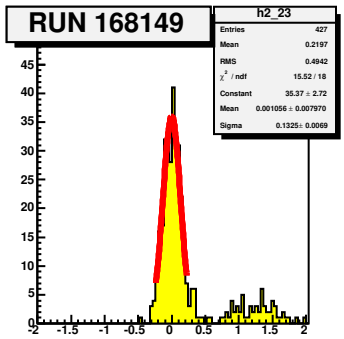

RUN 168125
h2_18
Entries 495
Mean 0.2285
RMS 0.5302
χ² / ndf 9.239 / 20
Constant 39.87 ± 2.73
Mean 0.003905 ± 0.007787
Sigma 0.1397± 0.0061

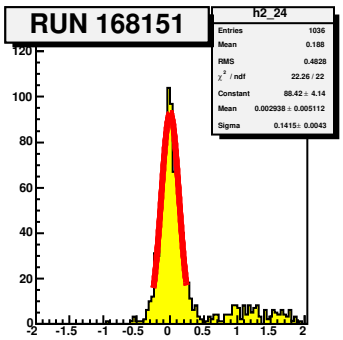

RUN 168134
h2_19
Entries 501
Mean 0.2135
RMS 0.5478
χ² / ndf 13.7 / 18
Constant 42.23 ± 2.94
Mean -0.0005804± 0.0073267
Sigma 0.1373± 0.0065

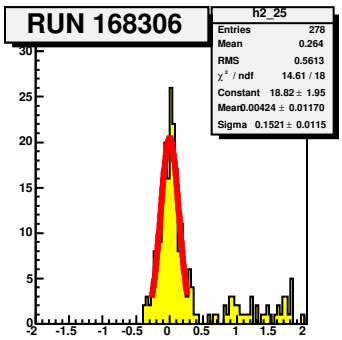

RUN 168136
h2_20
Entries 258
Mean 0.1788
RMS 0.4615
χ² / ndf 17.4 / 17
Constant 19.55 ± 2.03
Mean 0.01357 ± 0.01154
Sigma 0.1472 ± 0.0114

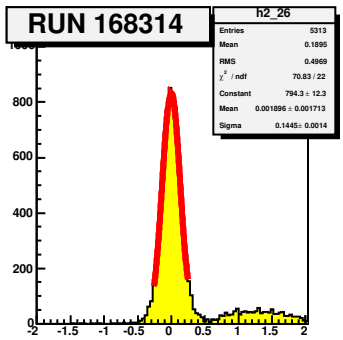

RUN 168141
h2_21
Entries 124
Mean 0.1355
RMS 0.3902
χ² / ndf 14.86 / 14
Constant 9.523 ± 1.880
Mean 0.007079 ± 0.016354
Sigma 0.1245 ± 0.0216

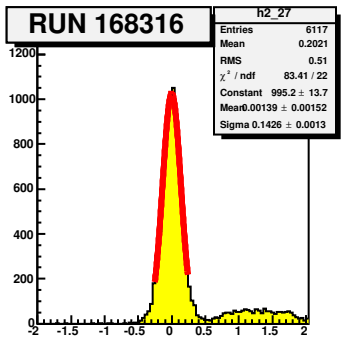

RUN 168147
h2_22
Entries 63
Mean 0.3149
RMS 0.612
χ² / ndf 7.571 / 9
Constant 7.604 ± 21.665
Mean 2.112 ± 2.827
Sigma 1.44 ± 1.10

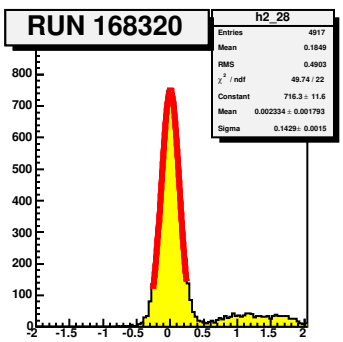

RUN 168149
h2_23
Entries 427
Mean 0.2197
RMS 0.4942
χ² / ndf 15.52 / 18
Constant 35.37 ± 2.72
Mean 0.001056 ± 0.007970
Sigma 0.1325 ± 0.0069

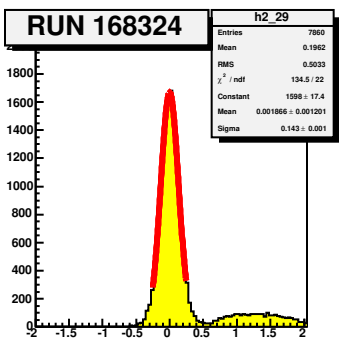

RUN 168151
h2_24
Entries 1036
Mean 0.188
RMS 0.4828
χ² / ndf 22.26 / 22
Constant 88.42 ± 4.14
Mean 0.002938 ± 0.005112
Sigma 0.1415 ± 0.0043

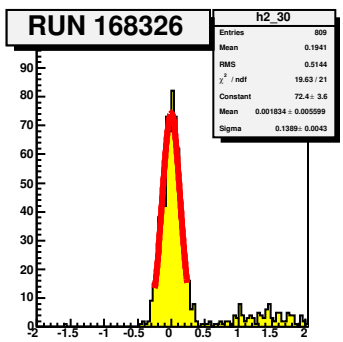

RUN 168306
h2_25
Entries 278
Mean 0.264
RMS 0.5613
χ² / ndf 14.61 / 18
Constant 18.82 ± 1.95
Mean 0.00424 ± 0.01170
Sigma 0.1521 ± 0.0115

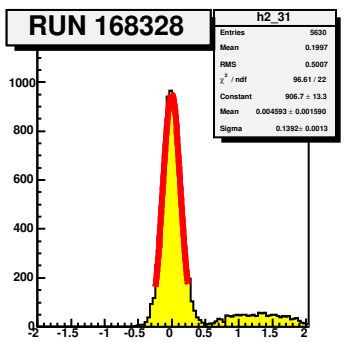

RUN 168314
h2_26
Entries 5313
Mean 0.1695
RMS 0.4969
χ² / ndf 70.83 / 22
Constant 794.3 ± 12.3
Mean 0.001896 ± 0.001713
Sigma 0.1445 ± 0.0014

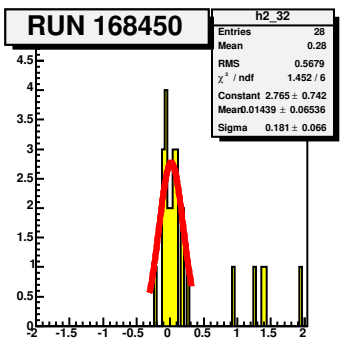

RUN 168316
h2_27
Entries 6117
Mean 0.2021
RMS 0.51
χ² / ndf 83.41 / 22
Constant 995.2 ± 13.7
Mean 0.00139 ± 0.00152
Sigma 0.1426 ± 0.0013

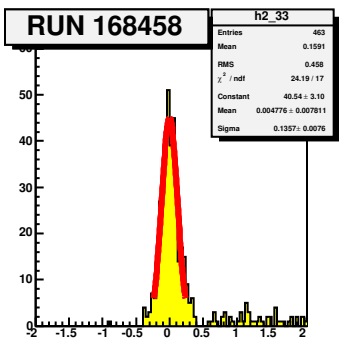

RUN 168320
h2_28
Entries 4917
Mean 0.1849
RMS 0.4903
χ² / ndf 49.74 / 22
Constant 716.3 ± 11.6
Mean 0.002334 ± 0.001793
Sigma 0.1429 ± 0.0015

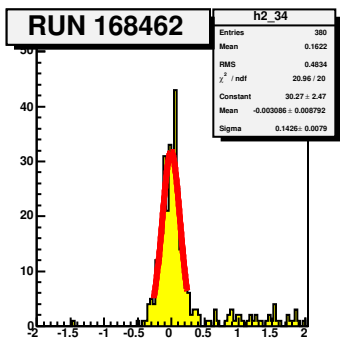

RUN 168324
h2_29
Entries 7860
Mean 0.1962
RMS 0.5033
χ² / ndf 134.5 / 22
Constant 1598 ± 17.4
Mean 0.001866 ± 0.001201
Sigma 0.143 ± 0.001

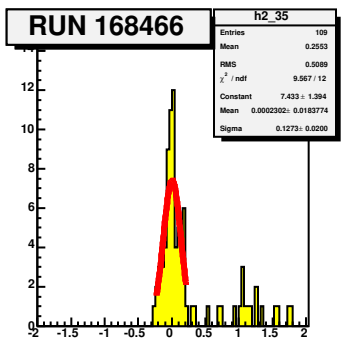

RUN 168326
h2_30
Entries 809
Mean 0.1941
RMS 0.5144
χ² / ndf 19.63 / 21
Constant 72.4 ± 3.6
Mean 0.001834 ± 0.005599
Sigma 0.1389 ± 0.0043

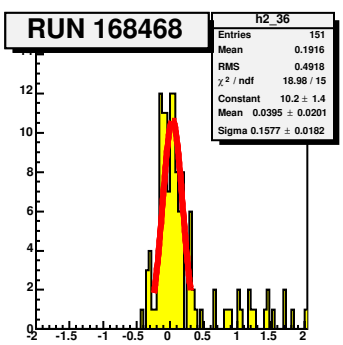

RUN 168328
h2_31
Entries 5630
Mean 0.1997
RMS 0.5007
χ² / ndf 96.61 / 22
Constant 906.7 ± 13.3
Mean 0.004593 ± 0.001590
Sigma 0.1392 ± 0.0013

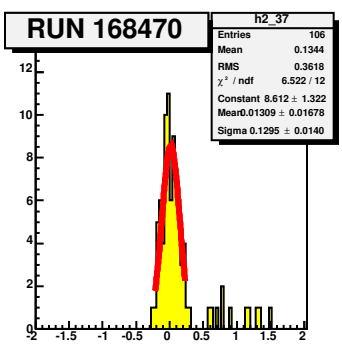

RUN 168450
h2_32
Entries 28
Mean 0.28
RMS 0.5679
χ² / ndf 1.452 / 6
Constant 2.765 ± 0.742
Mean 0.01439 ± 0.06536
Sigma 0.181 ± 0.066

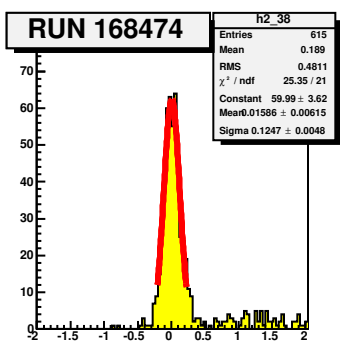

RUN 168458
h2_33
Entries 463
Mean 0.1591
RMS 0.458
χ² / ndf 24.19 / 17
Constant 40.54 ± 3.10
Mean 0.004776 ± 0.007811
Sigma 0.1357 ± 0.0076

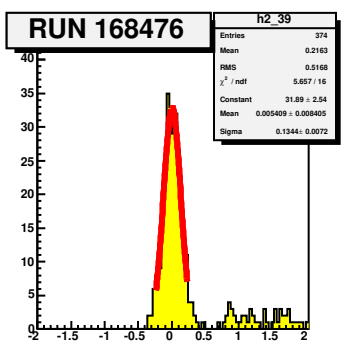

RUN 168462
h2_34
Entries 380
Mean 0.1622
RMS 0.4834
χ² / ndf 20.96 / 20
Constant 30.27 ± 2.47
Mean -0.003086 ± 0.008792
Sigma 0.1426 ± 0.0079

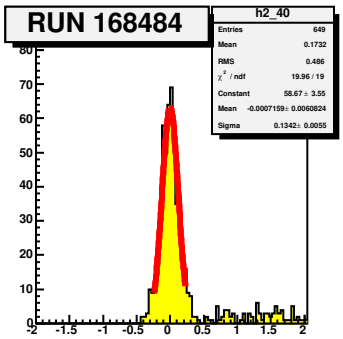

RUN 168466
h2_35
Entries 109
Mean 0.2553
RMS 0.5089
χ² / ndf 9.567 / 12
Constant 7.433 ± 1.394
Mean 0.0002302 ± 0.0183774
Sigma 0.1273 ± 0.0200

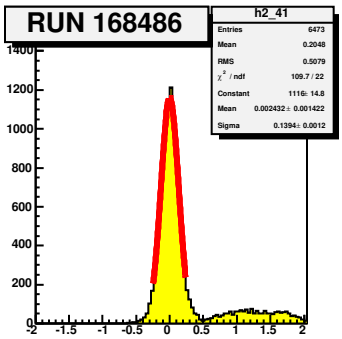

RUN 168468
h2_36
Entries 151
Mean 0.1916
RMS 0.4918
χ² / ndf 18.98 / 15
Constant 10.2 ± 1.4
Mean 0.0395 ± 0.0201
Sigma 0.1577 ± 0.0182

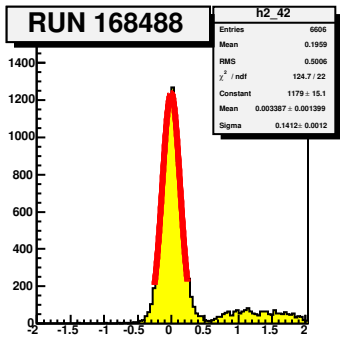

RUN 168470
h2_37
Entries 106
Mean 0.1344
RMS 0.3618
χ² / ndf 6.522 / 12
Constant 8.612 ± 1.322
Mean 0.01309 ± 0.01678
Sigma 0.1295 ± 0.0140

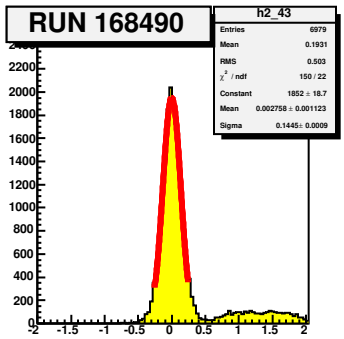

RUN 168474
h2_38
Entries 615
Mean 0.189
RMS 0.4811
χ² / ndf 25.35 / 21
Constant 59.99 ± 3.62
Mean 0.01586 ± 0.00615
Sigma 0.1247 ± 0.0048

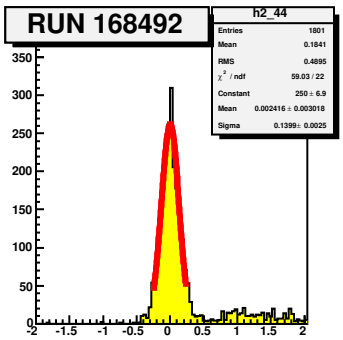

RUN 168476
h2_39
Entries 374
Mean 0.2163
RMS 0.5168
χ² / ndf 5.657 / 16
Constant 31.89 ± 2.54
Mean 0.005409 ± 0.008405
Sigma 0.1344 ± 0.0072

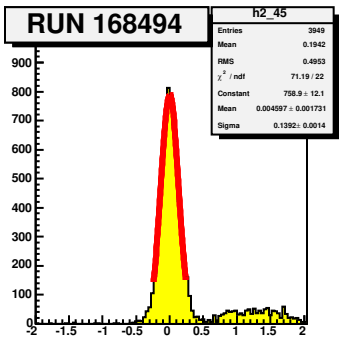

RUN 168484
h2_40
Entries 649
Mean 0.1732
RMS 0.486
χ² / ndf 19.96 / 19
Constant 58.67 ± 3.55
Mean -0.0007159 ± 0.0060824
Sigma 0.1342 ± 0.0055

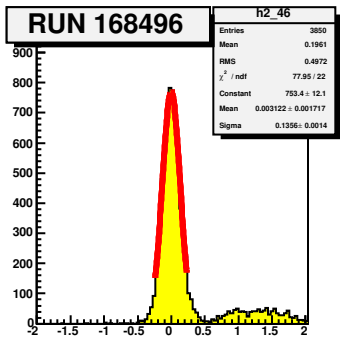

RUN 168486
h2_41
Entries 6473
Mean 0.2048
RMS 0.5079
χ² / ndf 109.7 / 22
Constant 1116 ± 14.8
Mean 0.002432 ± 0.001422
Sigma 0.1394 ± 0.0012

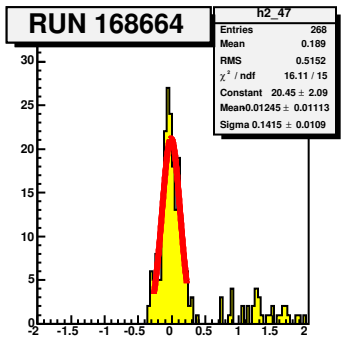

RUN 168488
h2_42
Entries 6606
Mean 0.1959
RMS 0.5006
χ² / ndf 124.7 / 22
Constant 1179 ± 15.1
Mean 0.003387 ± 0.001399
Sigma 0.1412 ± 0.0012

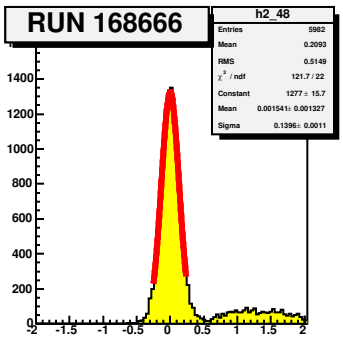

RUN 168490
h2_43
Entries 6979
Mean 0.1931
RMS 0.503
χ² / ndf 150 / 22
Constant 1852 ± 18.7
Mean 0.002758 ± 0.001123
Sigma 0.1445 ± 0.0009

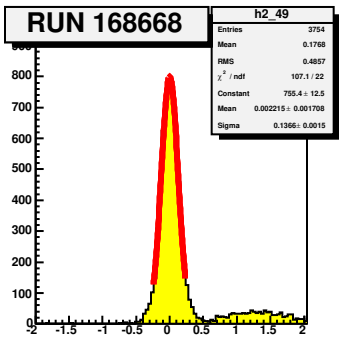

RUN 168492
h2_44
Entries 1801
Mean 0.1841
RMS 0.4895
χ² / ndf 59.03 / 22
Constant 250 ± 6.9
Mean 0.002416 ± 0.003018
Sigma 0.1399 ± 0.0025

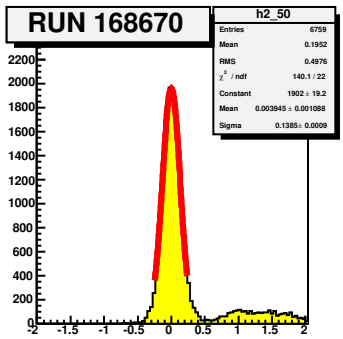

RUN 168494
h2_45
Entries 3949
Mean 0.1942
RMS 0.4953
χ² / ndf 71.19 / 22
Constant 758.9 ± 12.1
Mean 0.004597 ± 0.001731
Sigma 0.1392 ± 0.0014

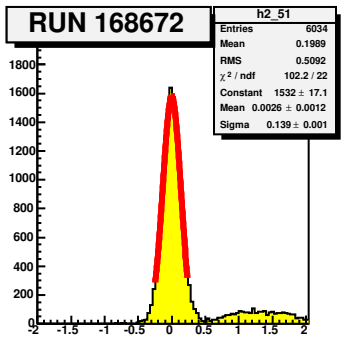

RUN 168496
h2_46
Entries 3850
Mean 0.1961
RMS 0.4972
χ² / ndf 77.95 / 22
Constant 753.4 ± 12.1
Mean 0.003122 ± 0.001717
Sigma 0.1356 ± 0.0014

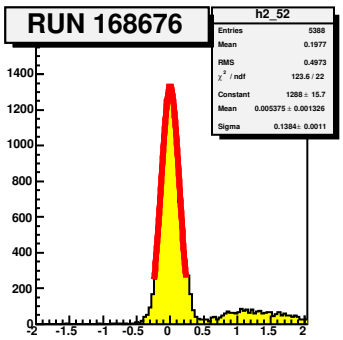

RUN 168664
h2_47
Entries 268
Mean 0.189
RMS 0.5152
χ² / ndf 16.11 / 15
Constant 20.45 ± 2.09
Mean 0.01245 ± 0.01113
Sigma 0.1415 ± 0.0109

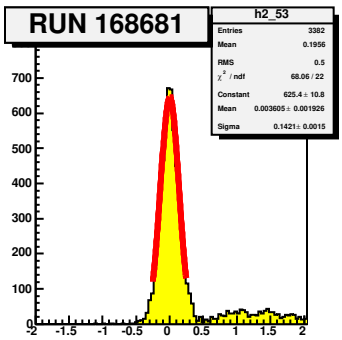

RUN 168666
h2_48
Entries 5982
Mean 0.2093
RMS 0.5149
χ² / ndf 121.7 / 22
Constant 1277 ± 15.7
Mean 0.001541 ± 0.001327
Sigma 0.1396 ± 0.0011

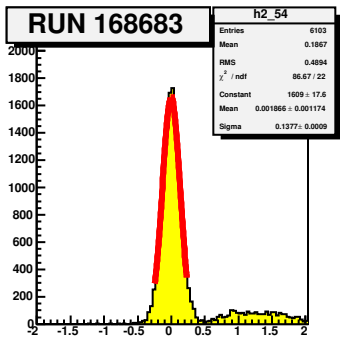

RUN 168668
h2_49
Entries 3754
Mean 0.1768
RMS 0.4857
χ² / ndf 107.1 / 22
Constant 755.4 ± 12.5
Mean 0.002215 ± 0.001708
Sigma 0.1366 ± 0.0015

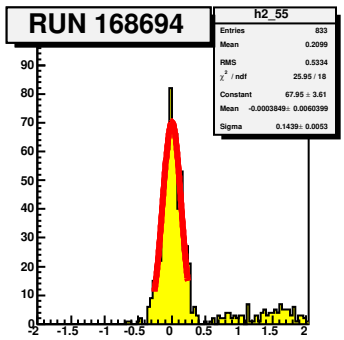

RUN 168670
h2_50
Entries 6759
Mean 0.1952
RMS 0.4976
χ² / ndf 140.1 / 22
Constant 1902 ± 19.2
Mean 0.003945 ± 0.001088
Sigma 0.1385 ± 0.0009

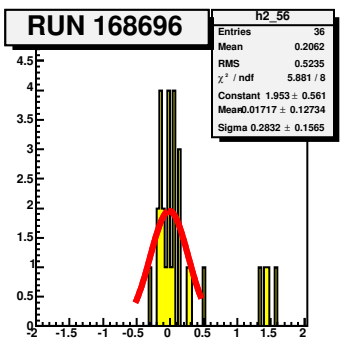

RUN 168672
h2_51
Entries 6034
Mean 0.1989
RMS 0.5092
χ² / ndf 102.2 / 22
Constant 1532 ± 17.1
Mean 0.0026 ± 0.0012
Sigma 0.139 ± 0.001

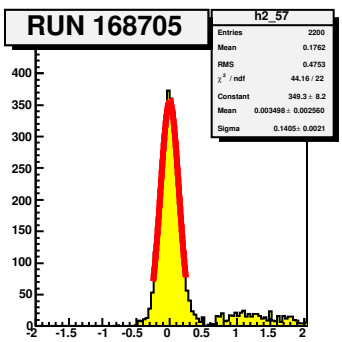

RUN 168676
h2_52
Entries 5388
Mean 0.1977
RMS 0.4973
χ² / ndf 123.6 / 22
Constant 1288 ± 15.7
Mean 0.005375 ± 0.001326
Sigma 0.1384 ± 0.0011

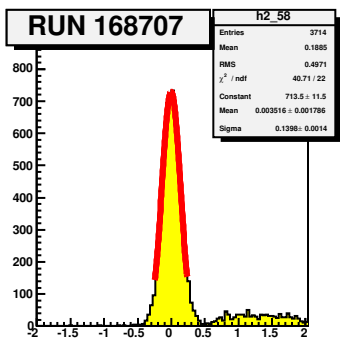

RUN 168681
h2_53
Entries 3382
Mean 0.1956
RMS 0.5
χ² / ndf 68.06 / 22
Constant 625.4 ± 10.8
Mean 0.003605 ± 0.001926
Sigma 0.1421 ± 0.0015

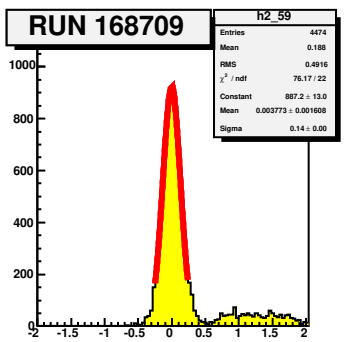

RUN 168683
h2_54
Entries 6103
Mean 0.1867
RMS 0.4894
χ² / ndf 86.67 / 22
Constant 1609 ± 17.6
Mean 0.001866 ± 0.001174
Sigma 0.1377 ± 0.0009

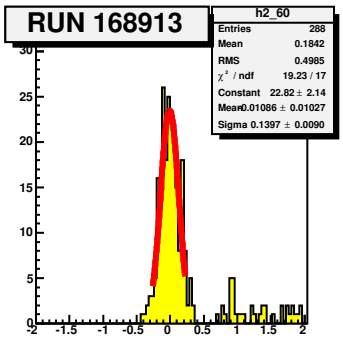

RUN 168694
h2_55
Entries 833
Mean 0.2099
RMS 0.5334
χ² / ndf 25.95 / 18
Constant 67.95 ± 3.61
Mean -0.0003849 ± 0.0060399
Sigma 0.1439 ± 0.0053

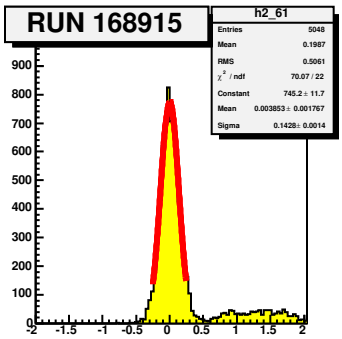

RUN 168696
h2_56
Entries 36
Mean 0.2062
RMS 0.5235
χ² / ndf 5.881 / 8
Constant 1.953 ± 0.561
Mean 0.01717 ± 0.12734
Sigma 0.2832 ± 0.1565

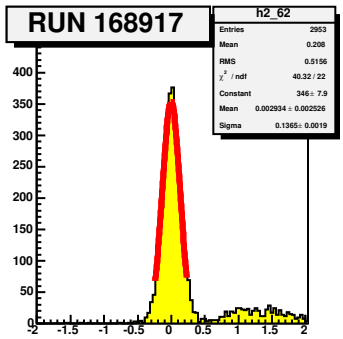

RUN 168705
h2_57
Entries 2200
Mean 0.1762
RMS 0.4753
χ² / ndf 44.16 / 22
Constant 349.3 ± 8.2
Mean 0.003498 ± 0.002560
Sigma 0.1405 ± 0.0021

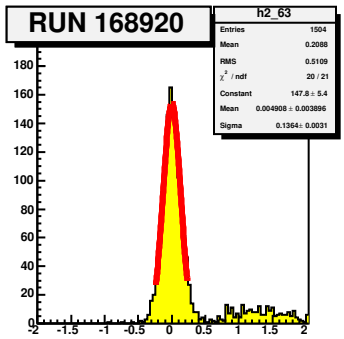

RUN 168707
h2_58
Entries 3714
Mean 0.1885
RMS 0.4971
χ² / ndf 40.71 / 22
Constant 713.5 ± 11.5
Mean 0.003516 ± 0.001786
Sigma 0.1398 ± 0.0014

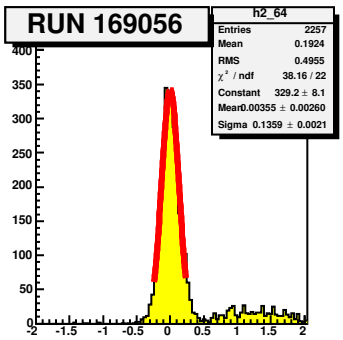

RUN 168709
h2_59
Entries 4474
Mean 0.188
RMS 0.4916
χ² / ndf 76.17 / 22
Constant 887.2 ± 13.0
Mean 0.003773 ± 0.001608
Sigma 0.14 ± 0.00

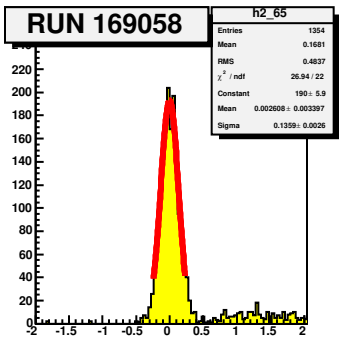

RUN 168913
h2_60
Entries 288
Mean 0.1842
RMS 0.4985
χ² / ndf 19.23 / 17
Constant 22.82 ± 2.14
Mean 0.01086 ± 0.01027
Sigma 0.1397 ± 0.0090

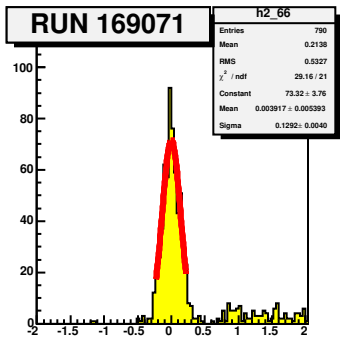

RUN 168915
h2_61
Entries 5048
Mean 0.1987
RMS 0.5061
χ² / ndf 70.07 / 22
Constant 745.2 ± 11.7
Mean 0.003853 ± 0.001767
Sigma 0.1428 ± 0.0014

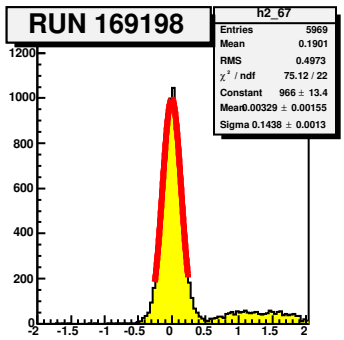

RUN 168917
h2_62
Entries 2953
Mean 0.208
RMS 0.5156
χ² / ndf 40.32 / 22
Constant 346 ± 7.9
Mean 0.002934 ± 0.002526
Sigma 0.1365 ± 0.0019

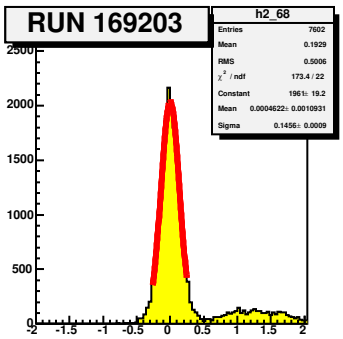

RUN 168920
h2_63
Entries 1504
Mean 0.2088
RMS 0.5109
χ² / ndf 20 / 21
Constant 147.8 ± 5.4
Mean 0.004908 ± 0.003896
Sigma 0.1364 ± 0.0031

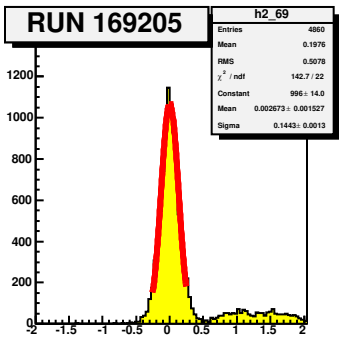

RUN 169056
h2_64
Entries 2257
Mean 0.1924
RMS 0.4955
χ² / ndf 38.16 / 22
Constant 329.2 ± 8.1
Mean 0.00355 ± 0.00260
Sigma 0.1359 ± 0.0021

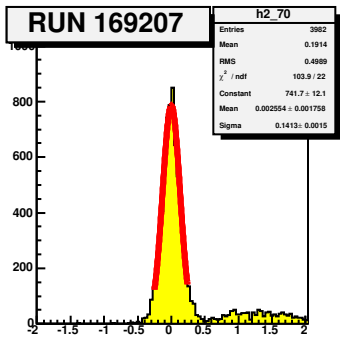

RUN 169058
h2_65
Entries 1354
Mean 0.1681
RMS 0.4837
χ² / ndf 26.94 / 22
Constant 190 ± 5.9
Mean 0.002608 ± 0.003397
Sigma 0.1359 ± 0.0026

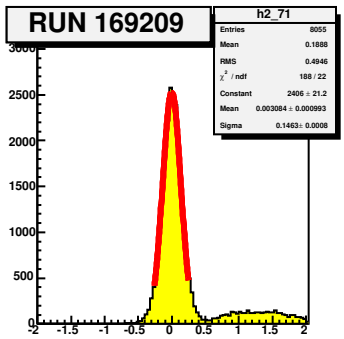

RUN 169071
h2_66
Entries 790
Mean 0.2138
RMS 0.5327
χ² / ndf 29.16 / 21
Constant 73.32 ± 3.76
Mean 0.003917 ± 0.005393
Sigma 0.1292 ± 0.0040

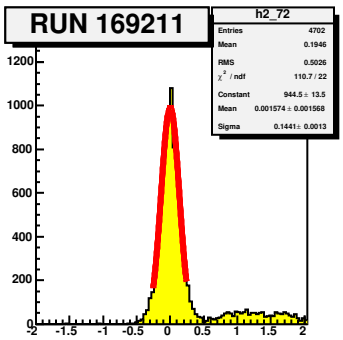

RUN 169198
h2_67
Entries 5969
Mean 0.1901
RMS 0.4973
χ² / ndf 75.12 / 22
Constant 966 ± 13.4
Mean 0.00329 ± 0.00155
Sigma 0.1438 ± 0.0013

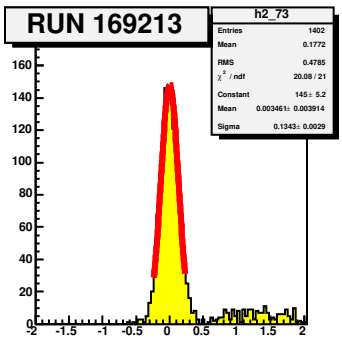

RUN 169203
h2_68
Entries 7602
Mean 0.1929
RMS 0.5006
χ² / ndf 173.4 / 22
Constant 1961 ± 19.2
Mean 0.0004622 ± 0.0010931
Sigma 0.1456 ± 0.0009

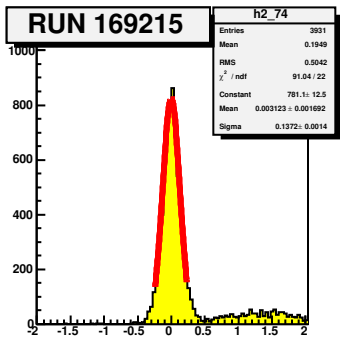

RUN 169205
h2_69
Entries 4860
Mean 0.1976
RMS 0.5079
χ² / ndf 142.7 / 22
Constant 996 ± 14.0
Mean 0.002673 ± 0.001527
Sigma 0.1443 ± 0.0013

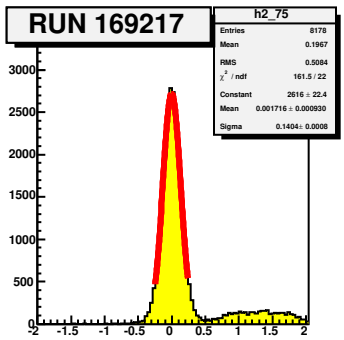

RUN 169207
h2_70
Entries 3982
Mean 0.1914
RMS 0.4989
χ² / ndf 103.9 / 22
Constant 741.7 ± 12.1
Mean 0.002554 ± 0.001758
Sigma 0.1413 ± 0.0015

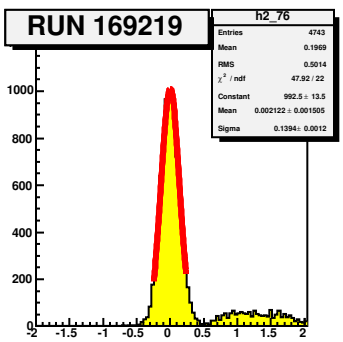

RUN 169209
h2_71
Entries 8055
Mean 0.1888
RMS 0.4946
χ² / ndf 188 / 22
Constant 2406 ± 21.2
Mean 0.003084 ± 0.000993
Sigma 0.1463 ± 0.0008

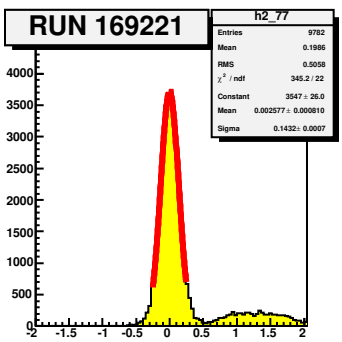

RUN 169211
h2_72
Entries 4702
Mean 0.1946
RMS 0.5026
χ² / ndf 110.7 / 22
Constant 944.5 ± 13.5
Mean 0.001574 ± 0.001568
Sigma 0.1441 ± 0.0013

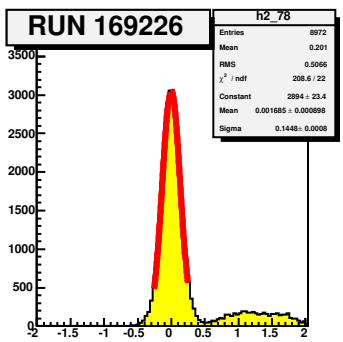

RUN 169213
h2_73
Entries 1402
Mean 0.1772
RMS 0.4785
χ² / ndf 20.08 / 21
Constant 145 ± 5.2
Mean 0.003461 ± 0.003914
Sigma 0.1343 ± 0.0029

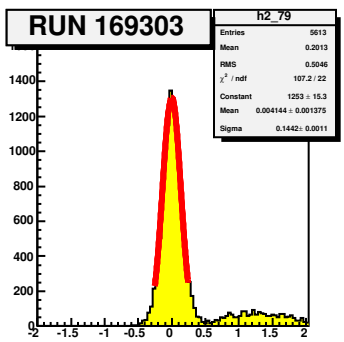

RUN 169215
h2_74
Entries 3931
Mean 0.1949
RMS 0.5042
χ² / ndf 91.04 / 22
Constant 781.1 ± 12.5
Mean 0.003123 ± 0.001692
Sigma 0.1372 ± 0.0014

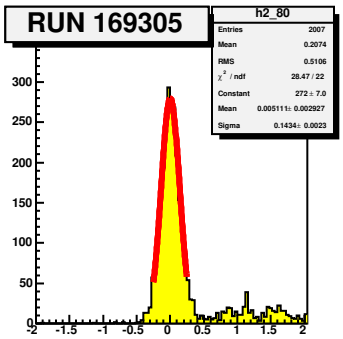

RUN 169217
h2_75
Entries 8178
Mean 0.1967
RMS 0.5084
χ² / ndf 161.5 / 22
Constant 2616 ± 22.4
Mean 0.001716 ± 0.000930
Sigma 0.1404 ± 0.0008

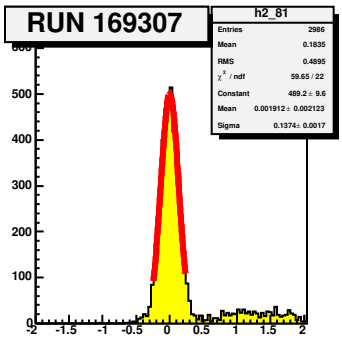

RUN 169219
h2_76
Entries 4743
Mean 0.1969
RMS 0.5014
χ² / ndf 47.92 / 22
Constant 992.5 ± 13.5
Mean 0.002122 ± 0.001505
Sigma 0.1394 ± 0.0012

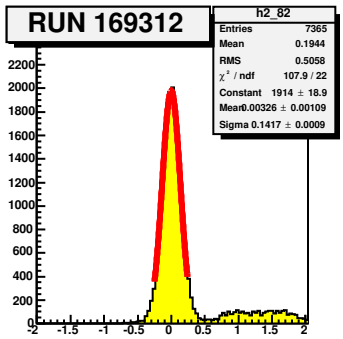

RUN 169221
h2_77
Entries 9782
Mean 0.1986
RMS 0.5058
χ² / ndf 345.2 / 22
Constant 3547 ± 26.0
Mean 0.002577 ± 0.000810
Sigma 0.1432 ± 0.0007

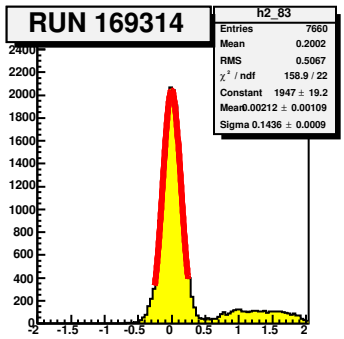

RUN 169226
h2_78
Entries 8972
Mean 0.201
RMS 0.5066
χ² / ndf 208.6 / 22
Constant 2894 ± 23.4
Mean 0.001685 ± 0.000898
Sigma 0.1448 ± 0.0008

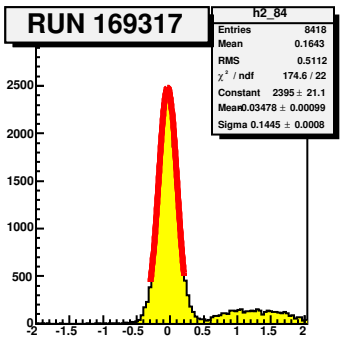

RUN 169303
h2_79
Entries 5613
Mean 0.2013
RMS 0.5046
χ² / ndf 107.2 / 22
Constant 1253 ± 15.3
Mean 0.004144 ± 0.001375
Sigma 0.1442 ± 0.0011

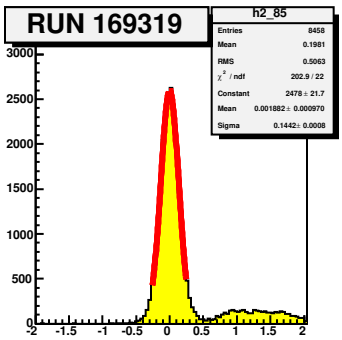

RUN 169305
h2_80
Entries 2007
Mean 0.2074
RMS 0.5106
χ² / ndf 28.47 / 22
Constant 272 ± 7.0
Mean 0.005111 ± 0.002927
Sigma 0.1434 ± 0.0023

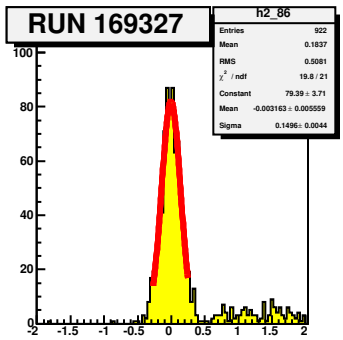

RUN 169307
h2_81
Entries 2986
Mean 0.1835
RMS 0.4895
χ² / ndf 59.65 / 22
Constant 489.2 ± 9.6
Mean 0.001912 ± 0.002123
Sigma 0.1374 ± 0.0017

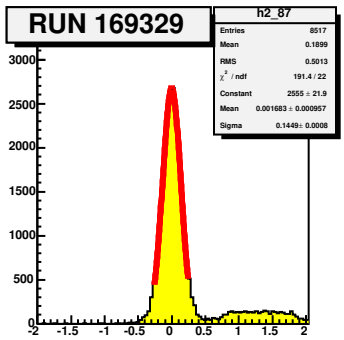

RUN 169312
h2_82
Entries 7365
Mean 0.1944
RMS 0.5058
χ² / ndf 107.9 / 22
Constant 1914 ± 18.9
Mean 0.00326 ± 0.00109
Sigma 0.1417 ± 0.0009

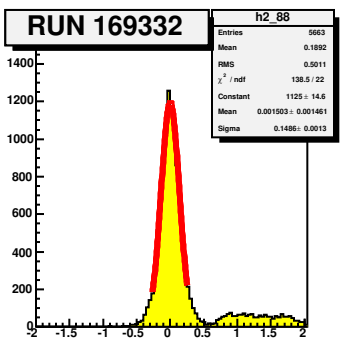

RUN 169314
h2_83
Entries 7660
Mean 0.2002
RMS 0.5067
χ² / ndf 158.9 / 22
Constant 1947 ± 19.2
Mean 0.00212 ± 0.00109
Sigma 0.1436 ± 0.0009

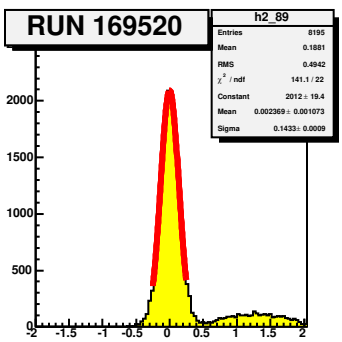

RUN 169317
h2_84
Entries 8418
Mean 0.1643
RMS 0.5112
χ² / ndf 174.6 / 22
Constant 2395 ± 21.1
Mean 0.03478 ± 0.00099
Sigma 0.1445 ± 0.0008

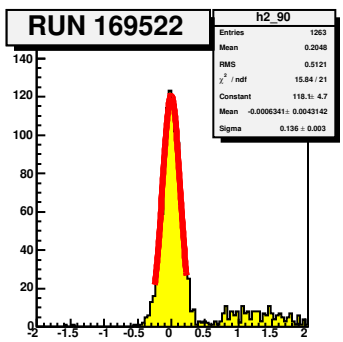

RUN 169319
h2_85
Entries 8458
Mean 0.1981
RMS 0.5063
χ² / ndf 202.9 / 22
Constant 2478 ± 21.7
Mean 0.001882 ± 0.000970
Sigma 0.1442 ± 0.0008

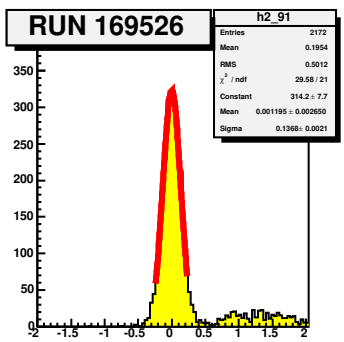

RUN 169327
h2_86
Entries 922
Mean 0.1837
RMS 0.5081
χ² / ndf 19.8 / 21
Constant 79.39 ± 3.71
Mean -0.003163 ± 0.005559
Sigma 0.1496 ± 0.0044

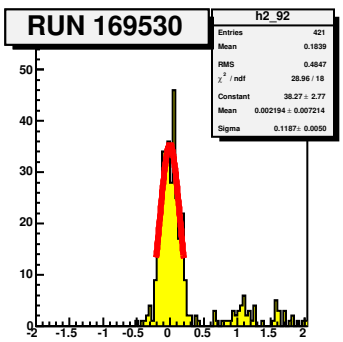

RUN 169329
h2_87
Entries 8517
Mean 0.1899
RMS 0.5013
χ² / ndf 191.4 / 22
Constant 2555 ± 21.9
Mean 0.001683 ± 0.000957
Sigma 0.1449 ± 0.0008

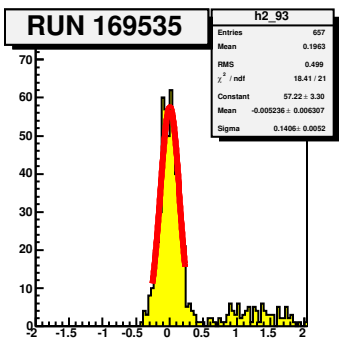

RUN 169332
h2_88
Entries 5663
Mean 0.1892
RMS 0.5011
χ² / ndf 138.5 / 22
Constant 1125 ± 14.6
Mean 0.001503 ± 0.001461
Sigma 0.1486 ± 0.0013

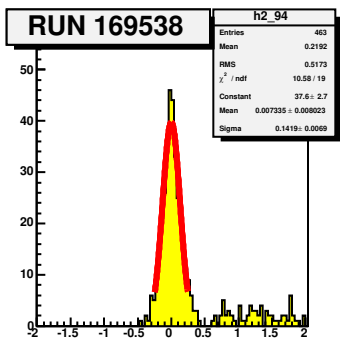

RUN 169520
h2_89
Entries 8195
Mean 0.1881
RMS 0.4942
χ² / ndf 141.1 / 22
Constant 2012 ± 19.4
Mean 0.002369 ± 0.001073
Sigma 0.1433 ± 0.0009

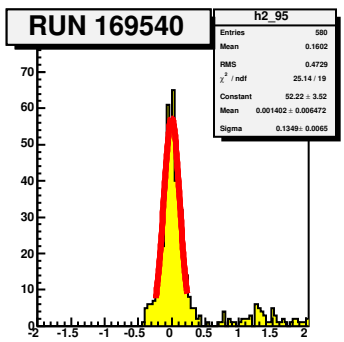

RUN 169522
h2_90
Entries 1263
Mean 0.2048
RMS 0.5121
χ² / ndf 15.84 / 21
Constant 118.1 ± 4.7
Mean -0.0006341 ± 0.0043142
Sigma 0.136 ± 0.003

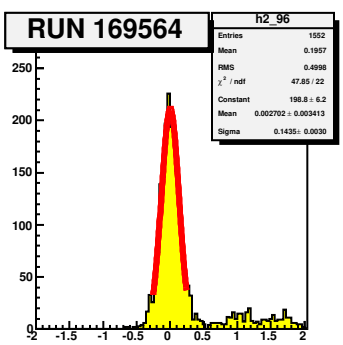

RUN 169526
h2_91
Entries 2172
Mean 0.1954
RMS 0.5012
χ² / ndf 29.58 / 21
Constant 314.2 ± 7.7
Mean 0.001195 ± 0.002650
Sigma 0.1368 ± 0.0021

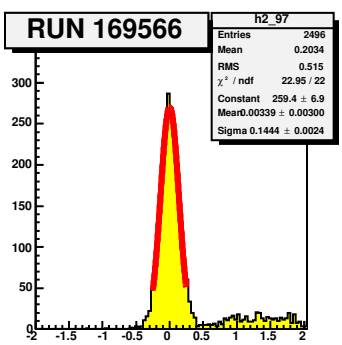

RUN 169530
h2_92
Entries 421
Mean 0.1839
RMS 0.4847
χ² / ndf 28.96 / 18
Constant 38.27 ± 2.77
Mean 0.002194 ± 0.007214
Sigma 0.1187 ± 0.0050

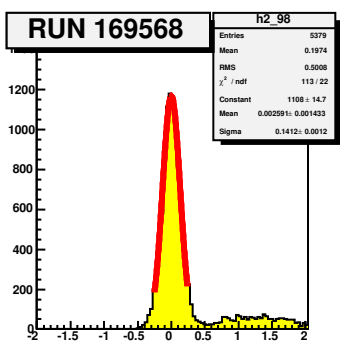

RUN 169535
h2_93
Entries 657
Mean 0.1963
RMS 0.499
χ² / ndf 18.41 / 21
Constant 57.22 ± 3.30
Mean -0.005236 ± 0.006307
Sigma 0.1406 ± 0.0052

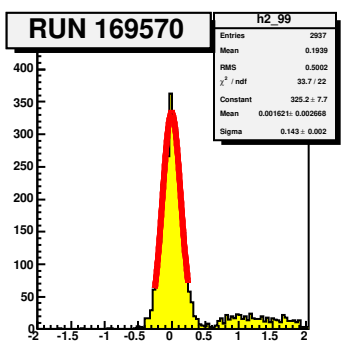

RUN 169538
h2_94
Entries 463
Mean 0.2192
RMS 0.5173
χ² / ndf 10.58 / 19
Constant 37.6 ± 2.7
Mean 0.007335 ± 0.008023
Sigma 0.1419 ± 0.0069

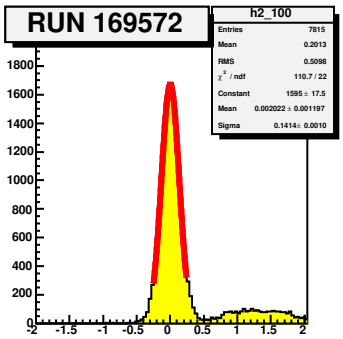

RUN 169540
h2_95
Entries 580
Mean 0.1602
RMS 0.4729
χ² / ndf 25.14 / 19
Constant 52.22 ± 3.52
Mean 0.001402 ± 0.006472
Sigma 0.1349 ± 0.0065

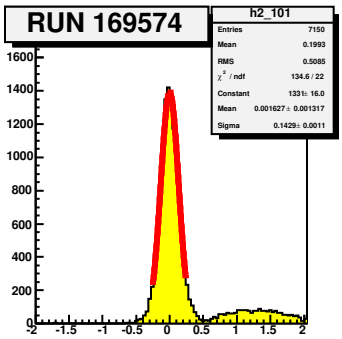

RUN 169564
h2_96
Entries 1552
Mean 0.1957
RMS 0.4998
χ² / ndf 47.85 / 22
Constant 198.8 ± 6.2
Mean 0.002702 ± 0.003413
Sigma 0.1435 ± 0.0030

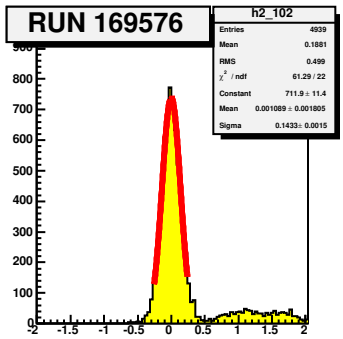

RUN 169566
h2_97
Entries 2496
Mean 0.2034
RMS 0.515
χ² / ndf 22.95 / 22
Constant 259.4 ± 6.9
Mean 0.00339 ± 0.00300
Sigma 0.1444 ± 0.0024

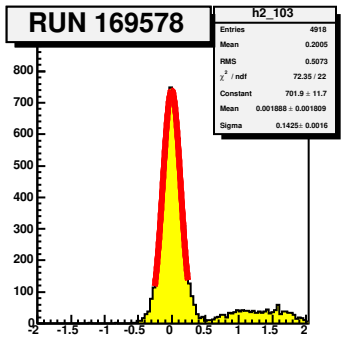

RUN 169568
h2_98
Entries 5379
Mean 0.1974
RMS 0.5008
χ² / ndf 113 / 22
Constant 1108 ± 14.7
Mean 0.002591 ± 0.001433
Sigma 0.1412 ± 0.0012

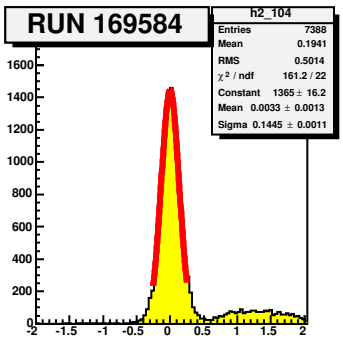

RUN 169570
h2_99
Entries 2937
Mean 0.1939
RMS 0.5002
χ² / ndf 33.7 / 22
Constant 325.2 ± 7.7
Mean 0.001621 ± 0.002668
Sigma 0.143 ± 0.002

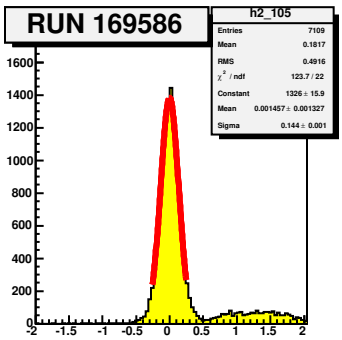

RUN 169572
h2_100
Entries 7815
Mean 0.2013
RMS 0.5098
χ² / ndf 110.7 / 22
Constant 1595 ± 17.5
Mean 0.002022 ± 0.001197
Sigma 0.1414 ± 0.0010

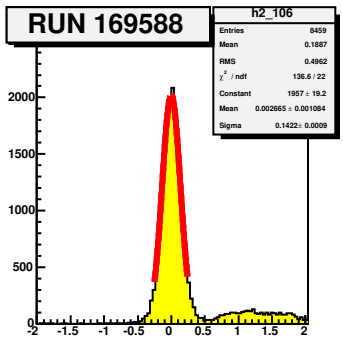

RUN 169574
h2_101
Entries 7150
Mean 0.1993
RMS 0.5085
χ² / ndf 134.6 / 22
Constant 1331 ± 16.0
Mean 0.001627 ± 0.001317
Sigma 0.1429 ± 0.0011

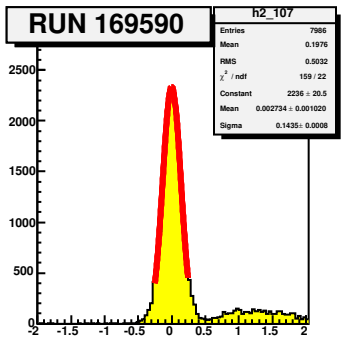

RUN 169576
h2_102
Entries 4939
Mean 0.1881
RMS 0.499
χ² / ndf 61.29 / 22
Constant 711.9 ± 11.4
Mean 0.001089 ± 0.001805
Sigma 0.1433 ± 0.0015

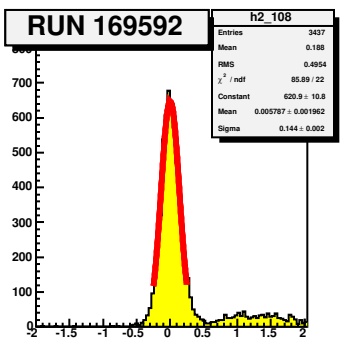

RUN 169578
h2_103
Entries 4918
Mean 0.2005
RMS 0.5073
χ² / ndf 72.35 / 22
Constant 701.9 ± 11.7
Mean 0.001888 ± 0.001809
Sigma 0.1425 ± 0.0016

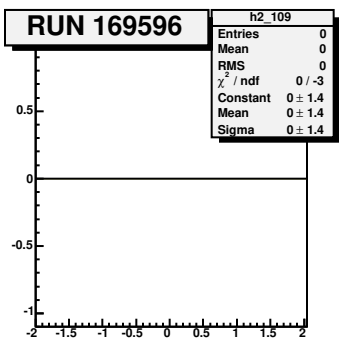

RUN 169584
h2_104
Entries 7388
Mean 0.1941
RMS 0.5014
χ² / ndf 161.2 / 22
Constant 1365 ± 16.2
Mean 0.0033 ± 0.0013
Sigma 0.1445 ± 0.0011

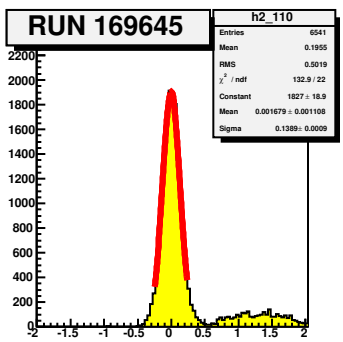

RUN 169586
h2_105
Entries 7109
Mean 0.1817
RMS 0.4916
χ² / ndf 123.7 / 22
Constant 1326 ± 15.9
Mean 0.001457 ± 0.001327
Sigma 0.144 ± 0.001

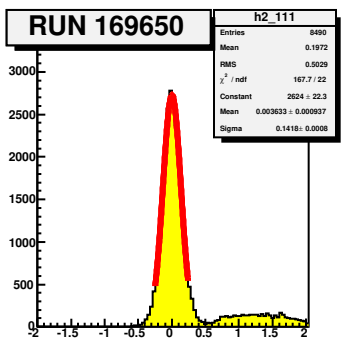

RUN 169588
h2_106
Entries 8459
Mean 0.1887
RMS 0.4962
χ² / ndf 136.6 / 22
Constant 1957 ± 19.2
Mean 0.002665 ± 0.001084
Sigma 0.1422 ± 0.0009

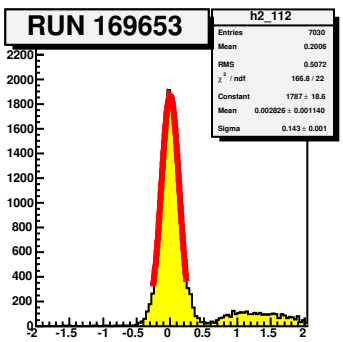

RUN 169590
h2_107
Entries 7986
Mean 0.1976
RMS 0.5032
χ² / ndf 159 / 22
Constant 2236 ± 20.5
Mean 0.002734 ± 0.001020
Sigma 0.1435 ± 0.0008

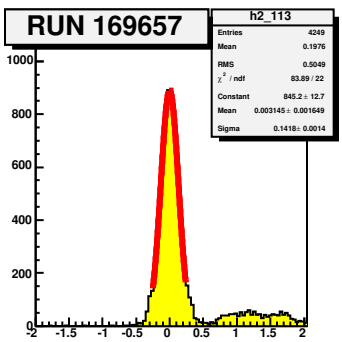

RUN 169592
h2_108
Entries 3437
Mean 0.188
RMS 0.4954
χ² / ndf 85.89 / 22
Constant 620.9 ± 10.8
Mean 0.005787 ± 0.001962
Sigma 0.144 ± 0.002

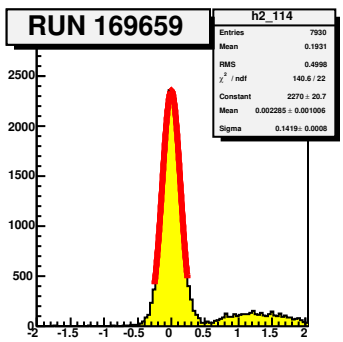

RUN 169596
h2_109
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

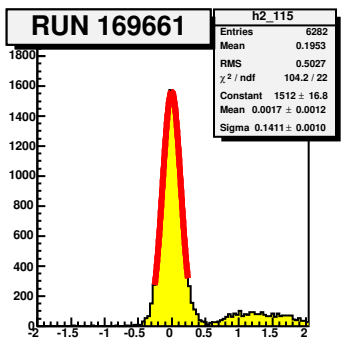

RUN 169645
h2_110
Entries 6541
Mean 0.1955
RMS 0.5019
χ² / ndf 132.9 / 22
Constant 1827 ± 18.9
Mean 0.001679 ± 0.001108
Sigma 0.1389 ± 0.0009

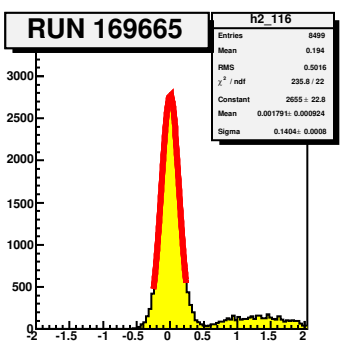

RUN 169650
h2_111
Entries 8490
Mean 0.1972
RMS 0.5029
χ² / ndf 167.7 / 22
Constant 2624 ± 22.3
Mean 0.003633 ± 0.000937
Sigma 0.1418 ± 0.0008

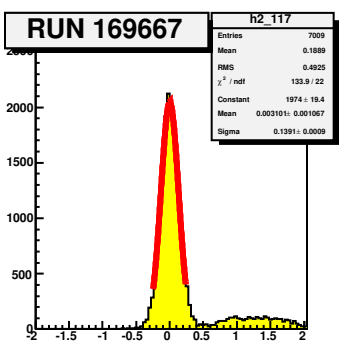

RUN 169653
h2_112
Entries 7030
Mean 0.2006
RMS 0.5072
χ² / ndf 166.8 / 22
Constant 1787 ± 18.6
Mean 0.002826 ± 0.001140
Sigma 0.143 ± 0.001

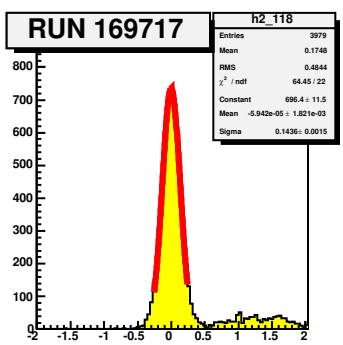

RUN 169657
h2_113
Entries 4249
Mean 0.1976
RMS 0.5049
χ² / ndf 83.89 / 22
Constant 845.2 ± 12.7
Mean 0.003145 ± 0.001649
Sigma 0.1418 ± 0.0014

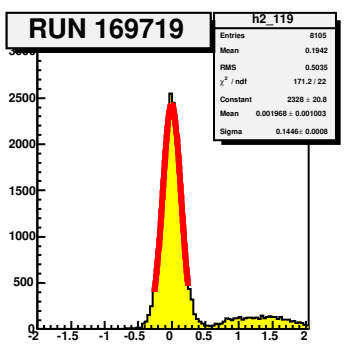

RUN 169659
h2_114
Entries 7930
Mean 0.1931
RMS 0.4998
χ² / ndf 140.6 / 22
Constant 2270 ± 20.7
Mean 0.002285 ± 0.001006
Sigma 0.1419 ± 0.0008

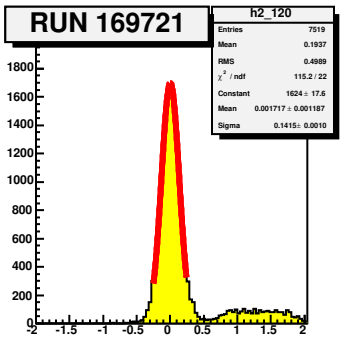

RUN 169661
h2_115
Entries 6282
Mean 0.1953
RMS 0.5027
χ² / ndf 104.2 / 22
Constant 1512 ± 16.8
Mean 0.0017 ± 0.0012
Sigma 0.1411 ± 0.0010

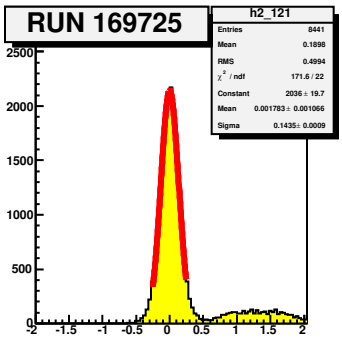

RUN 169665
h2_116
Entries 8499
Mean 0.194
RMS 0.5016
χ² / ndf 235.8 / 22
Constant 2655 ± 22.8
Mean 0.001791 ± 0.000924
Sigma 0.1404 ± 0.0008

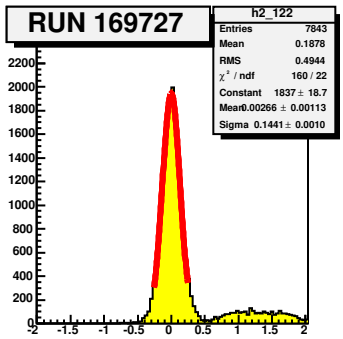

RUN 169667
h2_117
Entries 7009
Mean 0.1889
RMS 0.4925
χ² / ndf 133.9 / 22
Constant 1974 ± 19.4
Mean 0.003101 ± 0.001067
Sigma 0.1391 ± 0.0009

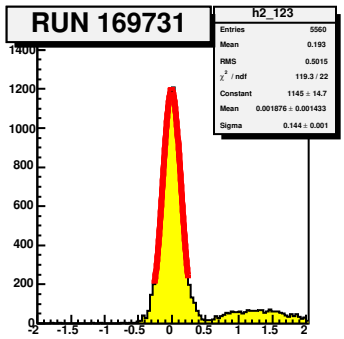

RUN 169717
h2_118
Entries 3979
Mean 0.1748
RMS 0.4844
χ² / ndf 64.45 / 22
Constant 696.4 ± 11.5
Mean -5.942e-05 ± 1.821e-03
Sigma 0.1436 ± 0.0015

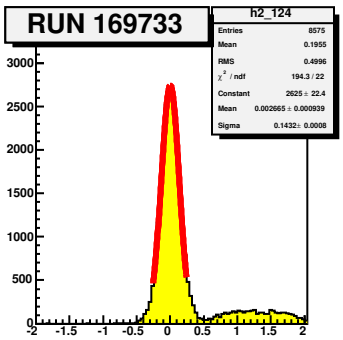

RUN 169719
h2_119
Entries 8105
Mean 0.1942
RMS 0.5035
χ² / ndf 171.2 / 22
Constant 2328 ± 20.8
Mean 0.001968 ± 0.001003
Sigma 0.1446 ± 0.0008

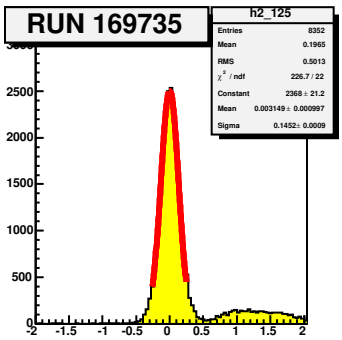

RUN 169721
h2_120
Entries 7519
Mean 0.1937
RMS 0.4989
χ² / ndf 115.2 / 22
Constant 1624 ± 17.6
Mean 0.001717 ± 0.001187
Sigma 0.1415 ± 0.0010

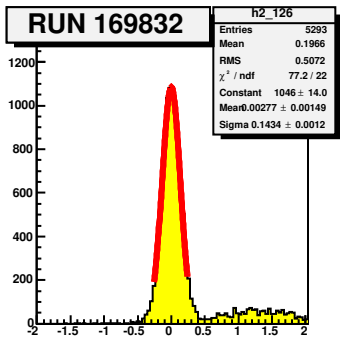

RUN 169725
h2_121
Entries 8441
Mean 0.1898
RMS 0.4994
χ² / ndf 171.6 / 22
Constant 2036 ± 19.7
Mean 0.001783 ± 0.001066
Sigma 0.1435 ± 0.0009

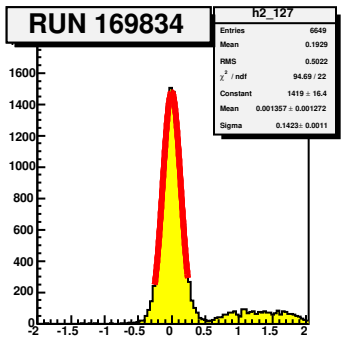

RUN 169727
h2_122
Entries 7843
Mean 0.1878
RMS 0.4944
χ² / ndf 160 / 22
Constant 1837 ± 18.7
Mean 0.00266 ± 0.00113
Sigma 0.1441 ± 0.0010

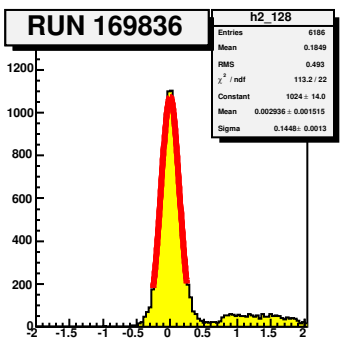

RUN 169731
h2_123
Entries 5560
Mean 0.193
RMS 0.5015
χ² / ndf 119.3 / 22
Constant 1145 ± 14.7
Mean 0.001876 ± 0.001433
Sigma 0.144 ± 0.001

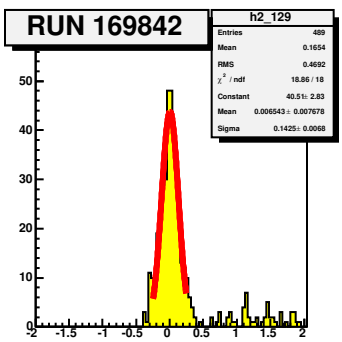

RUN 169733
h2_124
Entries 8575
Mean 0.1955
RMS 0.4996
χ² / ndf 194.3 / 22
Constant 2625 ± 22.4
Mean 0.002665 ± 0.000939
Sigma 0.1432 ± 0.0008

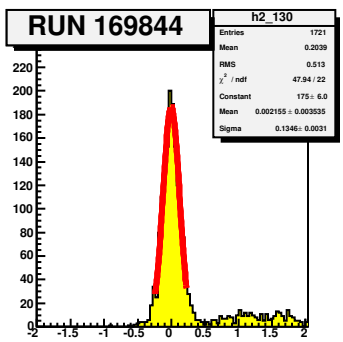

RUN 169735
h2_125
Entries 8352
Mean 0.1965
RMS 0.5013
χ² / ndf 226.7 / 22
Constant 2368 ± 21.2
Mean 0.003149 ± 0.000997
Sigma 0.1452 ± 0.0009

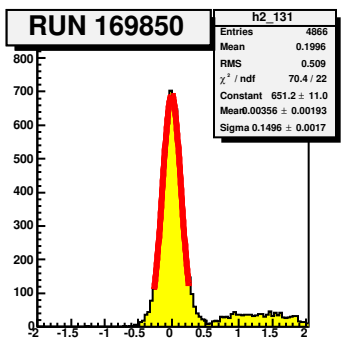

RUN 169832
h2_126
Entries 5293
Mean 0.1966
RMS 0.5072
χ² / ndf 77.2 / 22
Constant 1046 ± 14.0
Mean 0.00277 ± 0.00149
Sigma 0.1434 ± 0.0012

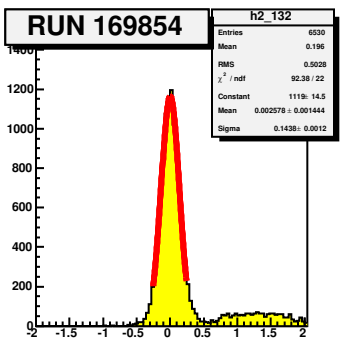

RUN 169834
h2_127
Entries 6649
Mean 0.1929
RMS 0.5022
χ² / ndf 94.69 / 22
Constant 1419 ± 16.4
Mean 0.001357 ± 0.001272
Sigma 0.1423 ± 0.0011

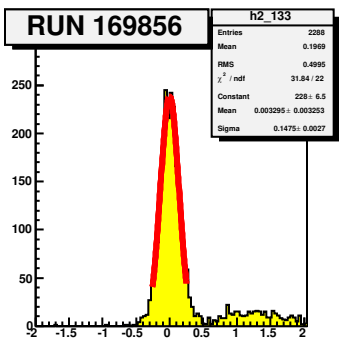

RUN 169836
h2_128
Entries 6186
Mean 0.1849
RMS 0.493
χ² / ndf 113.2 / 22
Constant 1024 ± 14.0
Mean 0.002936 ± 0.001515
Sigma 0.1448 ± 0.0013

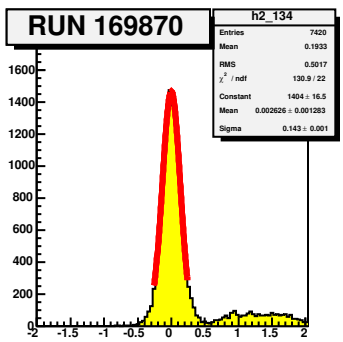

RUN 169842
h2_129
Entries 489
Mean 0.1654
RMS 0.4692
χ² / ndf 18.86 / 18
Constant 40.51 ± 2.83
Mean 0.006543 ± 0.007678
Sigma 0.1425 ± 0.0068

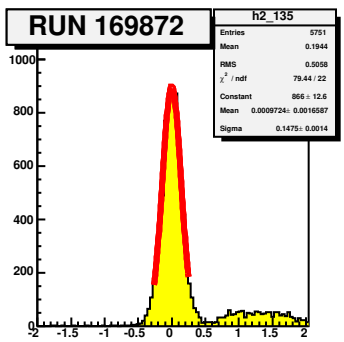

RUN 169844
h2_130
Entries 1721
Mean 0.2039
RMS 0.513
χ² / ndf 47.94 / 22
Constant 175 ± 6.0
Mean 0.002155 ± 0.003535
Sigma 0.1346 ± 0.0031

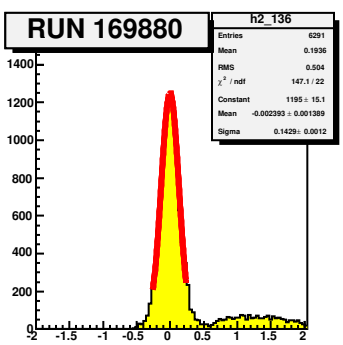

RUN 169850
h2_131
Entries 4866
Mean 0.1996
RMS 0.509
χ² / ndf 70.4 / 22
Constant 651.2 ± 11.0
Mean 0.00356 ± 0.00193
Sigma 0.1496 ± 0.0017

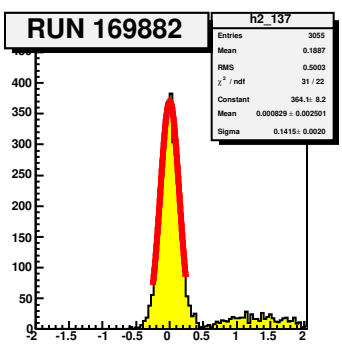

RUN 169854
h2_132
Entries 6530
Mean 0.196
RMS 0.5028
χ² / ndf 92.38 / 22
Constant 1119 ± 14.5
Mean 0.002578 ± 0.001444
Sigma 0.1438 ± 0.0012

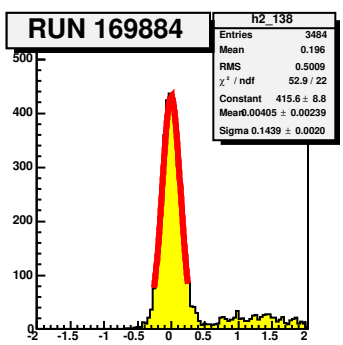

RUN 169856
h2_133
Entries 2288
Mean 0.1969
RMS 0.4995
χ² / ndf 31.84 / 22
Constant 228 ± 6.5
Mean 0.003295 ± 0.003253
Sigma 0.1475 ± 0.0027

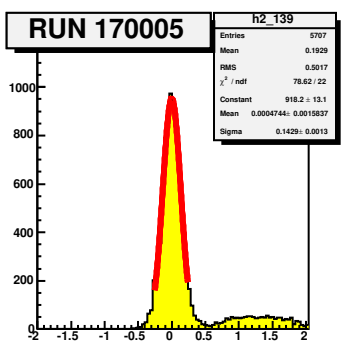

RUN 169870
h2_134
Entries 7420
Mean 0.1933
RMS 0.5017
χ² / ndf 130.9 / 22
Constant 1404 ± 16.5
Mean 0.002626 ± 0.001283
Sigma 0.143 ± 0.001

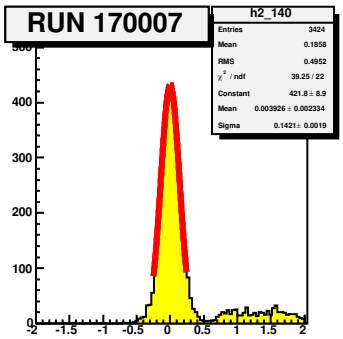

RUN 169872
h2_135
Entries 5751
Mean 0.1944
RMS 0.5058
χ² / ndf 79.44 / 22
Constant 866 ± 12.6
Mean 0.0009724 ± 0.0016587
Sigma 0.1475 ± 0.0014

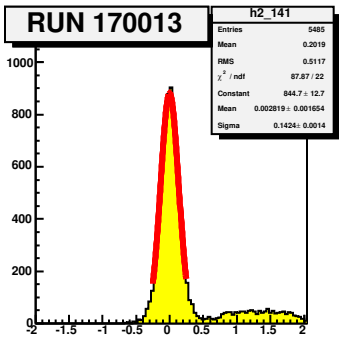

RUN 169880
h2_136
Entries 6291
Mean 0.1936
RMS 0.504
χ² / ndf 147.1 / 22
Constant 1195 ± 15.1
Mean -0.002393 ± 0.001389
Sigma 0.1429 ± 0.0012

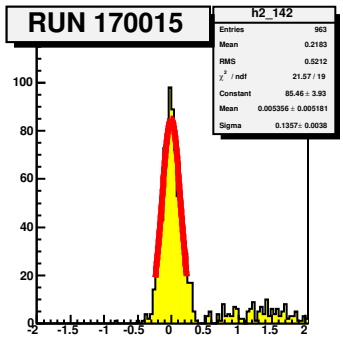

RUN 169882
h2_137
Entries 3055
Mean 0.1887
RMS 0.5003
χ² / ndf 31 / 22
Constant 364.1 ± 8.2
Mean 0.000829 ± 0.002501
Sigma 0.1415 ± 0.0020

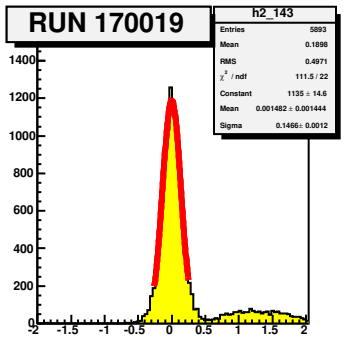

RUN 169884
h2_138
Entries 3484
Mean 0.196
RMS 0.5009
χ² / ndf 52.9 / 22
Constant 415.6 ± 8.8
Mean 0.00405 ± 0.00239
Sigma 0.1439 ± 0.0020

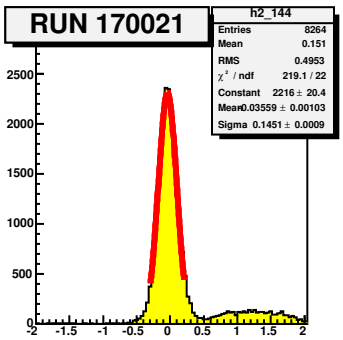

RUN 170005
h2_139
Entries 5707
Mean 0.1929
RMS 0.5017
χ² / ndf 78.62 / 22
Constant 918.2 ± 13.1
Mean 0.0004744 ± 0.0015837
Sigma 0.1429 ± 0.0013

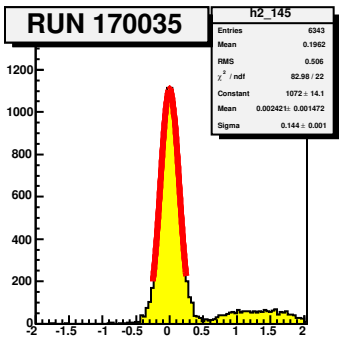

RUN 170007
h2_140
Entries 3424
Mean 0.1858
RMS 0.4952
χ² / ndf 39.25 / 22
Constant 421.8 ± 8.9
Mean 0.003926 ± 0.002334
Sigma 0.1421 ± 0.0019

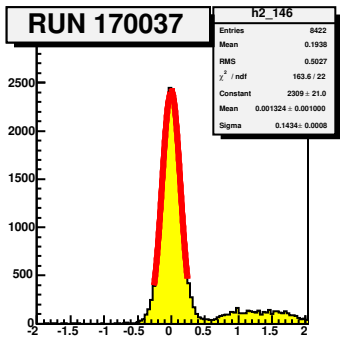

RUN 170013
h2_141
Entries 5485
Mean 0.2019
RMS 0.5117
χ² / ndf 87.87 / 22
Constant 844.7 ± 12.7
Mean 0.002819 ± 0.001654
Sigma 0.1424 ± 0.0014

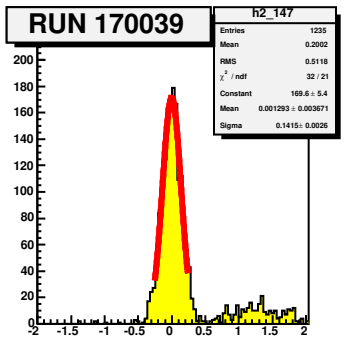

RUN 170015
h2_142
Entries 963
Mean 0.2183
RMS 0.5212
χ² / ndf 21.57 / 19
Constant 85.46 ± 3.93
Mean 0.005356 ± 0.005181
Sigma 0.1357 ± 0.0038

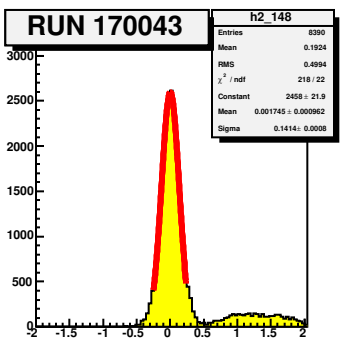

RUN 170019
h2_143
Entries 5893
Mean 0.1898
RMS 0.4971
χ² / ndf 111.5 / 22
Constant 1135 ± 14.6
Mean 0.001482 ± 0.001444
Sigma 0.1466 ± 0.0012

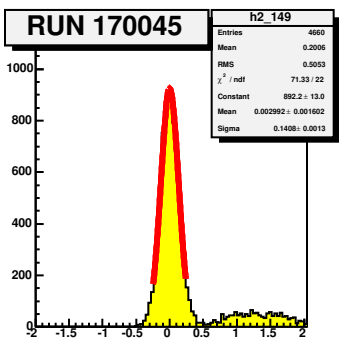

RUN 170021
h2_144
Entries 8264
Mean 0.151
RMS 0.4953
χ² / ndf 219.1 / 22
Constant 2216 ± 20.4
Mean 0.03559 ± 0.00103
Sigma 0.1451 ± 0.0009

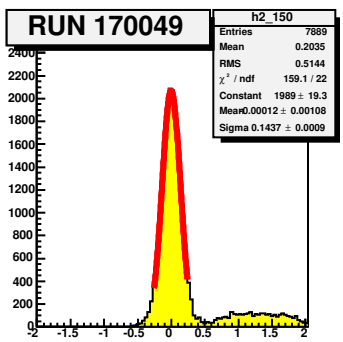

RUN 170035
h2_145
Entries 6343
Mean 0.1962
RMS 0.506
χ² / ndf 82.98 / 22
Constant 1072 ± 14.1
Mean 0.002421 ± 0.001472
Sigma 0.144 ± 0.001

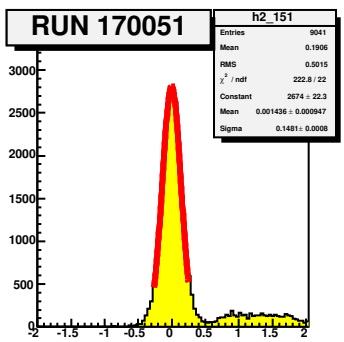

RUN 170037
h2_146
Entries 8422
Mean 0.1938
RMS 0.5027
χ² / ndf 163.6 / 22
Constant 2309 ± 21.0
Mean 0.001324 ± 0.001000
Sigma 0.1434 ± 0.0008

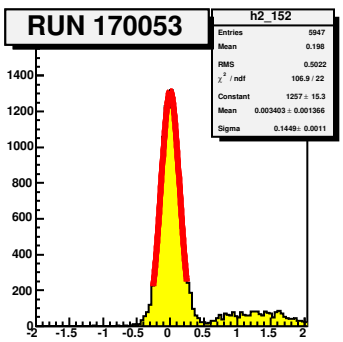

RUN 170039
h2_147
Entries 1235
Mean 0.2002
RMS 0.5118
χ² / ndf 32 / 21
Constant 169.6 ± 5.4
Mean 0.001293 ± 0.003671
Sigma 0.1415 ± 0.0026

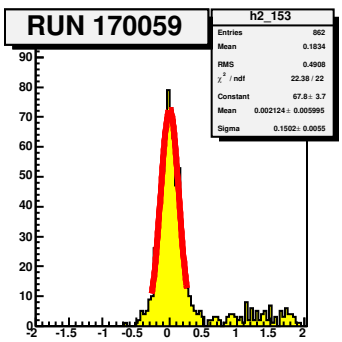

RUN 170043
h2_148
Entries 8390
Mean 0.1924
RMS 0.4994
χ² / ndf 218 / 22
Constant 2458 ± 21.9
Mean 0.001745 ± 0.000962
Sigma 0.1414 ± 0.0008

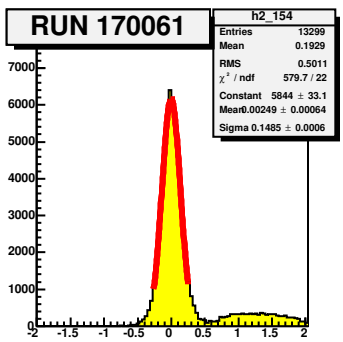

RUN 170045
h2_149
Entries 4660
Mean 0.2006
RMS 0.5053
χ² / ndf 71.33 / 22
Constant 892.2 ± 13.0
Mean 0.002992 ± 0.001602
Sigma 0.1408 ± 0.0013

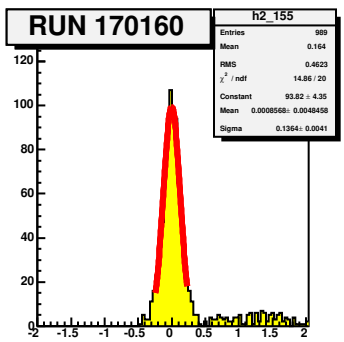

RUN 170049
h2_150
Entries 7889
Mean 0.2035
RMS 0.5144
χ² / ndf 159.1 / 22
Constant 1989 ± 19.3
Mean 0.00012 ± 0.00108
Sigma 0.1437 ± 0.0009

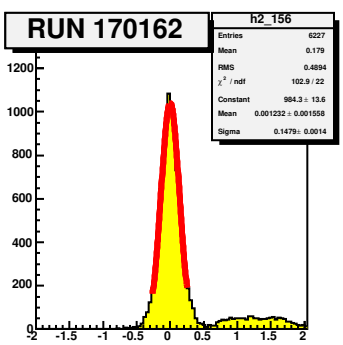

RUN 170051
h2_151
Entries 9041
Mean 0.1906
RMS 0.5015
χ² / ndf 222.8 / 22
Constant 2674 ± 22.3
Mean 0.001436 ± 0.000947
Sigma 0.1481 ± 0.0008

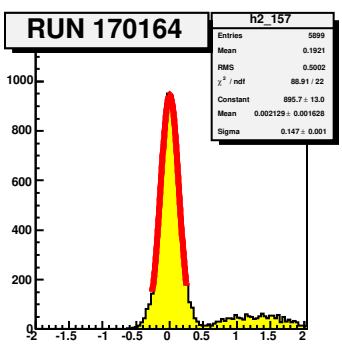

RUN 170053
h2_152
Entries 5947
Mean 0.198
RMS 0.5022
χ² / ndf 106.9 / 22
Constant 1257 ± 15.3
Mean 0.003403 ± 0.001366
Sigma 0.1449 ± 0.0011

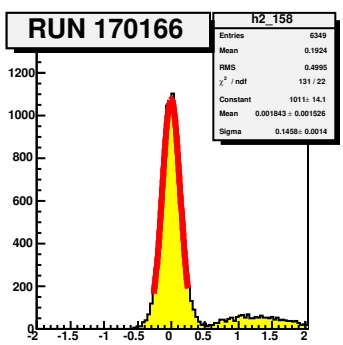

RUN 170059
h2_153
Entries 862
Mean 0.1834
RMS 0.4908
χ² / ndf 22.38 / 22
Constant 67.8 ± 3.7
Mean 0.002124 ± 0.005995
Sigma 0.1502 ± 0.0055

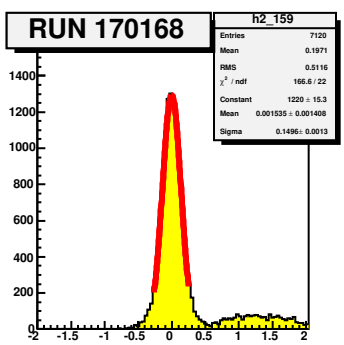

RUN 170061
h2_154
Entries 13299
Mean 0.1929
RMS 0.5011
χ² / ndf 579.7 / 22
Constant 5844 ± 33.1
Mean 0.00249 ± 0.00064
Sigma 0.1485 ± 0.0006

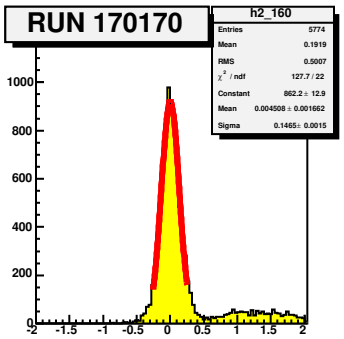

RUN 170160
h2_155
Entries 989
Mean 0.164
RMS 0.4623
χ² / ndf 14.86 / 20
Constant 93.82 ± 4.35
Mean 0.0008568 ± 0.0048458
Sigma 0.1364 ± 0.0041

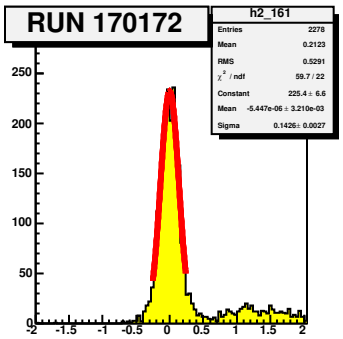

RUN 170162
h2_156
Entries 6227
Mean 0.179
RMS 0.4894
χ² / ndf 102.9 / 22
Constant 984.3 ± 13.6
Mean 0.001232 ± 0.001558
Sigma 0.1479 ± 0.0014

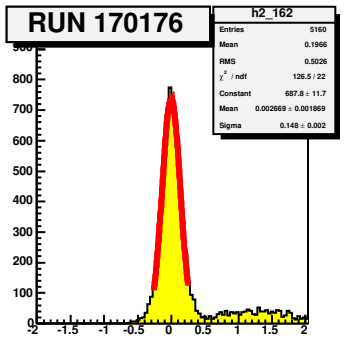

RUN 170164
h2_157
Entries 5899
Mean 0.1921
RMS 0.5002
χ² / ndf 88.91 / 22
Constant 895.7 ± 13.0
Mean 0.002129 ± 0.001628
Sigma 0.147 ± 0.001

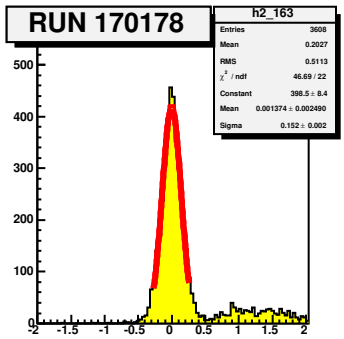

RUN 170166
h2_158
Entries 6349
Mean 0.1924
RMS 0.4995
χ² / ndf 131 / 22
Constant 1011 ± 14.1
Mean 0.001843 ± 0.001526
Sigma 0.1458 ± 0.0014

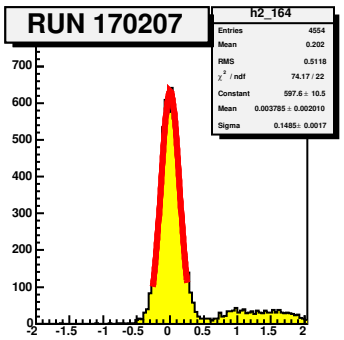

RUN 170168
h2_159
Entries 7120
Mean 0.1971
RMS 0.5116
χ² / ndf 166.6 / 22
Constant 1220 ± 15.3
Mean 0.001535 ± 0.001408
Sigma 0.1496 ± 0.0013

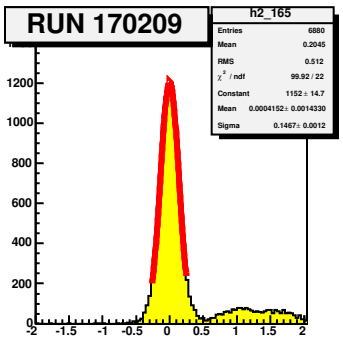

RUN 170170
h2_160
Entries 5774
Mean 0.1919
RMS 0.5007
χ² / ndf 127.7 / 22
Constant 862.2 ± 12.9
Mean 0.004508 ± 0.001662
Sigma 0.1465 ± 0.0015

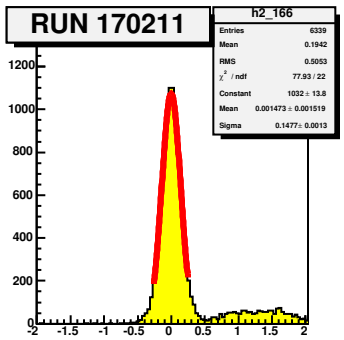

RUN 170172
h2_161
Entries 2278
Mean 0.2123
RMS 0.5291
χ² / ndf 59.7 / 22
Constant 225.4 ± 6.6
Mean -5.447e-06 ± 3.210e-03
Sigma 0.1426 ± 0.0027

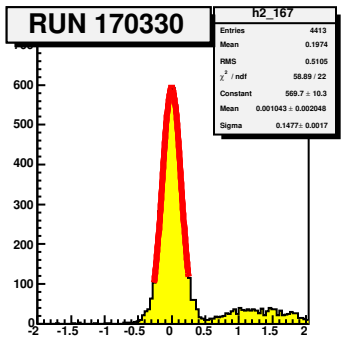

RUN 170176
h2_162
Entries 5160
Mean 0.1966
RMS 0.5026
χ² / ndf 126.5 / 22
Constant 687.8 ± 11.7
Mean 0.002669 ± 0.001869
Sigma 0.148 ± 0.002

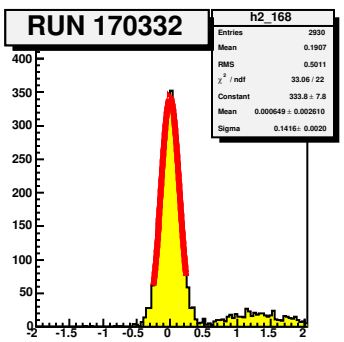

RUN 170178
h2_163
Entries 3608
Mean 0.2027
RMS 0.5113
χ² / ndf 46.69 / 22
Constant 398.5 ± 8.4
Mean 0.001374 ± 0.002490
Sigma 0.152 ± 0.002

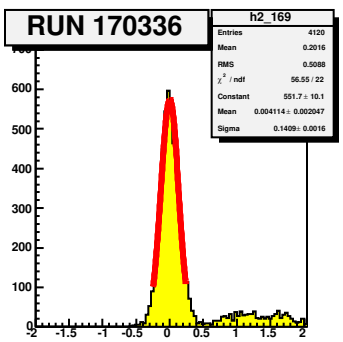

RUN 170207
h2_164
Entries 4554
Mean 0.202
RMS 0.5118
χ² / ndf 74.17 / 22
Constant 597.6 ± 10.5
Mean 0.003785 ± 0.002010
Sigma 0.1485 ± 0.0017

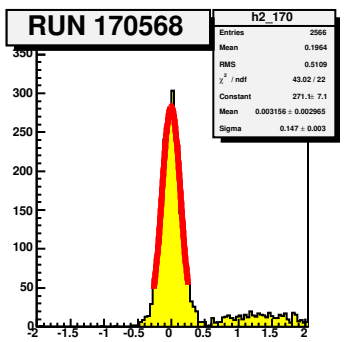

RUN 170209
h2_165
Entries 6880
Mean 0.2045
RMS 0.512
χ² / ndf 99.92 / 22
Constant 1152 ± 14.7
Mean 0.0004152 ± 0.0014330
Sigma 0.1467 ± 0.0012

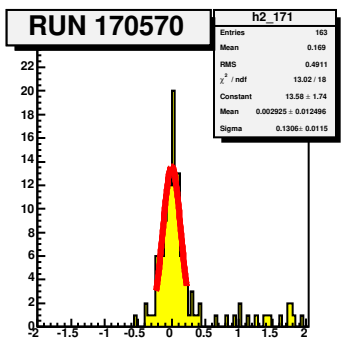

RUN 170211
h2_166
Entries 6339
Mean 0.1942
RMS 0.5053
χ² / ndf 77.93 / 22
Constant 1032 ± 13.8
Mean 0.001473 ± 0.001519
Sigma 0.1477 ± 0.0013

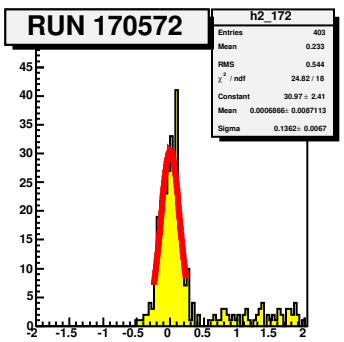

RUN 170330
h2_167
Entries 4413
Mean 0.1974
RMS 0.5105
χ² / ndf 58.89 / 22
Constant 569.7 ± 10.3
Mean 0.001043 ± 0.002048
Sigma 0.1477 ± 0.0017

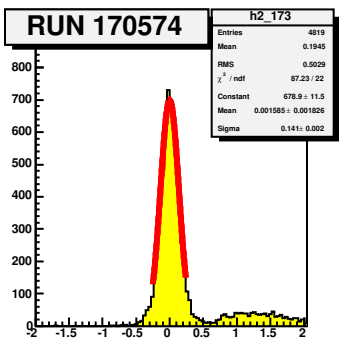

RUN 170332
h2_168
Entries 2930
Mean 0.1907
RMS 0.5011
χ² / ndf 33.06 / 22
Constant 333.8 ± 7.8
Mean 0.000649 ± 0.002610
Sigma 0.1416 ± 0.0020

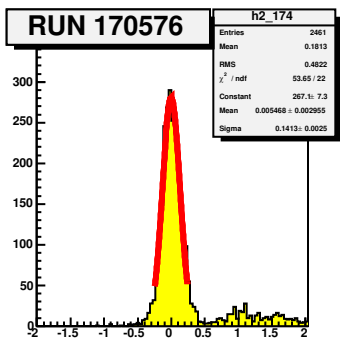

RUN 170336
h2_169
Entries 4120
Mean 0.2016
RMS 0.5088
χ² / ndf 56.55 / 22
Constant 551.7 ± 10.1
Mean 0.004114 ± 0.002047
Sigma 0.1409 ± 0.0016

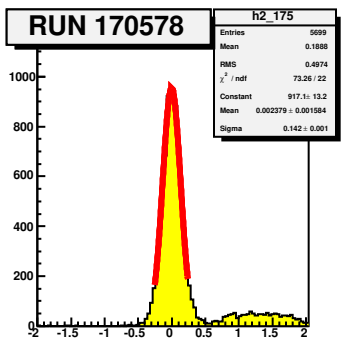

RUN 170568
h2_170
Entries 2566
Mean 0.1964
RMS 0.5109
χ² / ndf 43.02 / 22
Constant 271.1 ± 7.1
Mean 0.003156 ± 0.002965
Sigma 0.147 ± 0.003

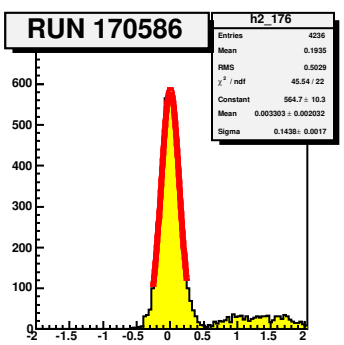

RUN 170570
h2_171
Entries 163
Mean 0.169
RMS 0.4911
χ² / ndf 13.02 / 18
Constant 13.58 ± 1.74
Mean 0.002925 ± 0.012496
Sigma 0.1306 ± 0.0115

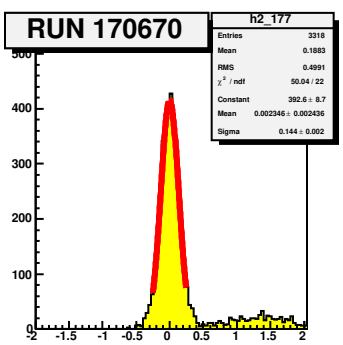

RUN 170572
h2_172
Entries 403
Mean 0.233
RMS 0.544
χ² / ndf 24.82 / 18
Constant 30.97 ± 2.41
Mean 0.0006866 ± 0.0087113
Sigma 0.1362 ± 0.0067

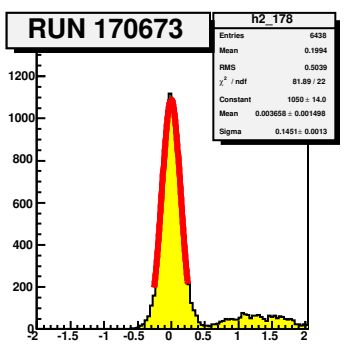

RUN 170574
h2_173
Entries 4819
Mean 0.1945
RMS 0.5029
χ² / ndf 87.23 / 22
Constant 678.9 ± 11.5
Mean 0.001585 ± 0.001826
Sigma 0.141 ± 0.002

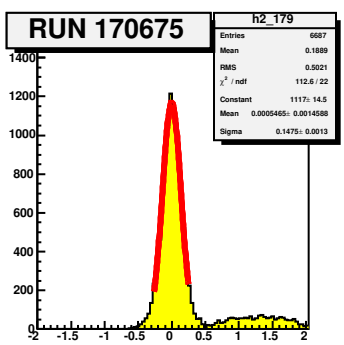

RUN 170576
h2_174
Entries 2461
Mean 0.1813
RMS 0.4822
χ² / ndf 53.65 / 22
Constant 267.1 ± 7.3
Mean 0.005468 ± 0.002955
Sigma 0.1413 ± 0.0025

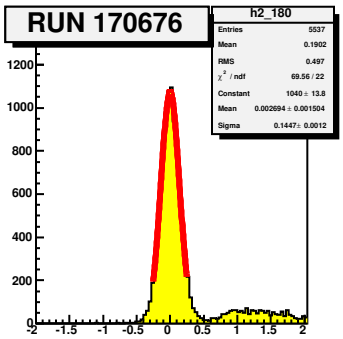

RUN 170578
h2_175
Entries 5699
Mean 0.1888
RMS 0.4974
χ² / ndf 73.26 / 22
Constant 917.1 ± 13.2
Mean 0.002379 ± 0.001584
Sigma 0.142 ± 0.001

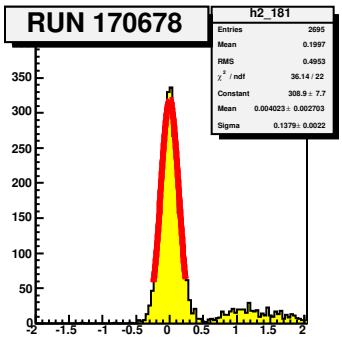

RUN 170586
h2_176
Entries 4236
Mean 0.1935
RMS 0.5029
χ² / ndf 45.54 / 22
Constant 564.7 ± 10.3
Mean 0.003303 ± 0.002032
Sigma 0.1438 ± 0.0017

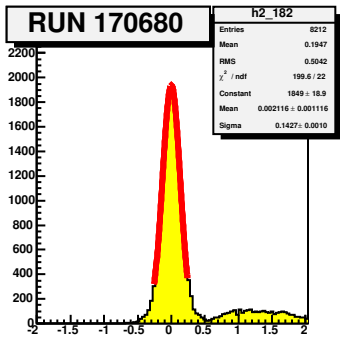

RUN 170670
h2_177
Entries 3318
Mean 0.1883
RMS 0.4991
χ² / ndf 50.04 / 22
Constant 392.6 ± 8.7
Mean 0.002346 ± 0.002436
Sigma 0.144 ± 0.002

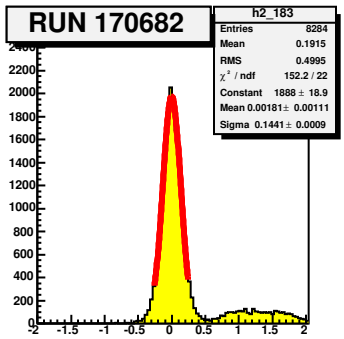

RUN 170673
h2_178
Entries 6438
Mean 0.1994
RMS 0.5039
χ² / ndf 81.89 / 22
Constant 1050 ± 14.0
Mean 0.003658 ± 0.001498
Sigma 0.1451 ± 0.0013

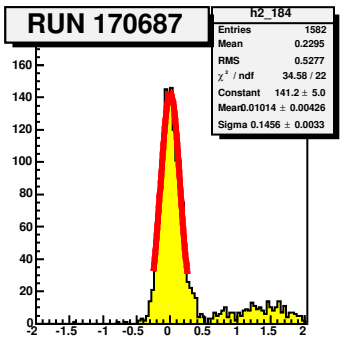

RUN 170675
h2_179
Entries 6687
Mean 0.1889
RMS 0.5021
χ² / ndf 112.6 / 22
Constant 1117 ± 14.5
Mean 0.0005465 ± 0.0014588
Sigma 0.1475 ± 0.0013

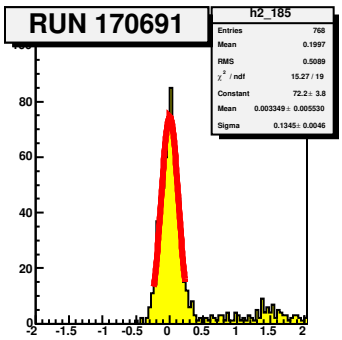

RUN 170676
h2_180
Entries 5537
Mean 0.1902
RMS 0.497
χ² / ndf 69.56 / 22
Constant 1040 ± 13.8
Mean 0.002694 ± 0.001504
Sigma 0.1447 ± 0.0012

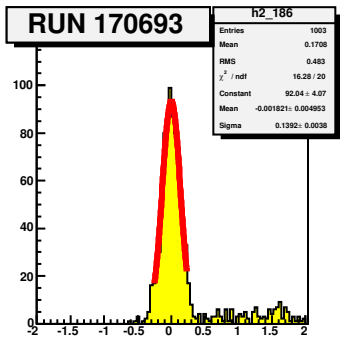

RUN 170678
h2_181
Entries 2695
Mean 0.1997
RMS 0.4953
χ² / ndf 36.14 / 22
Constant 308.9 ± 7.7
Mean 0.004023 ± 0.002703
Sigma 0.1379 ± 0.0022

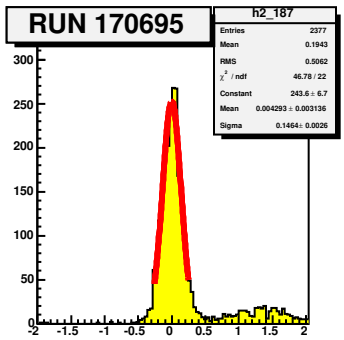

RUN 170680
h2_182
Entries 8212
Mean 0.1947
RMS 0.5042
χ² / ndf 199.6 / 22
Constant 1849 ± 18.9
Mean 0.002116 ± 0.001116
Sigma 0.1427 ± 0.0010

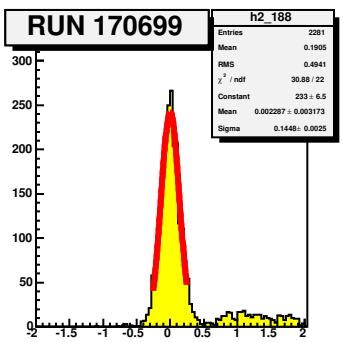

RUN 170682
h2_183
Entries 8284
Mean 0.1915
RMS 0.4995
χ² / ndf 152.2 / 22
Constant 1888 ± 18.9
Mean 0.00181 ± 0.00111
Sigma 0.1441 ± 0.0009

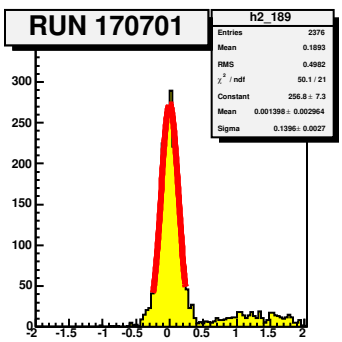

RUN 170687
h2_184
Entries 1582
Mean 0.2295
RMS 0.5277
χ² / ndf 34.58 / 22
Constant 141.2 ± 5.0
Mean 0.01014 ± 0.00426
Sigma 0.1456 ± 0.0033

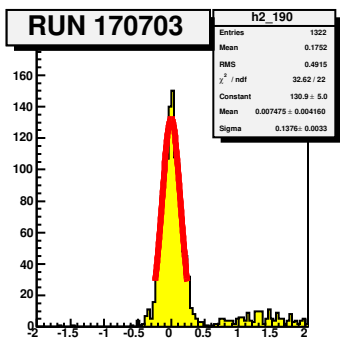

RUN 170691
h2_185
Entries 768
Mean 0.1997
RMS 0.5089
χ² / ndf 15.27 / 19
Constant 72.2 ± 3.8
Mean 0.003349 ± 0.005530
Sigma 0.1345 ± 0.0046

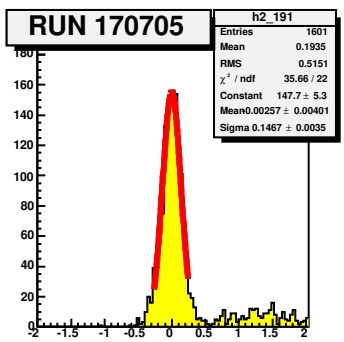

RUN 170693
h2_186
Entries 1003
Mean 0.1708
RMS 0.483
χ² / ndf 16.28 / 20
Constant 92.04 ± 4.07
Mean -0.001821 ± 0.004953
Sigma 0.1392 ± 0.0038

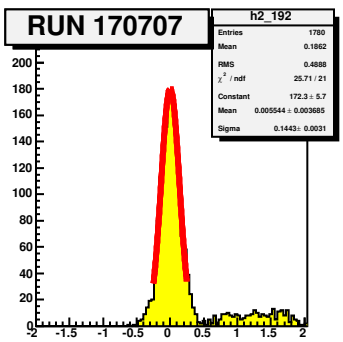

RUN 170695
h2_187
Entries 2377
Mean 0.1943
RMS 0.5062
χ² / ndf 46.78 / 22
Constant 243.6 ± 6.7
Mean 0.004293 ± 0.003136
Sigma 0.1464 ± 0.0026

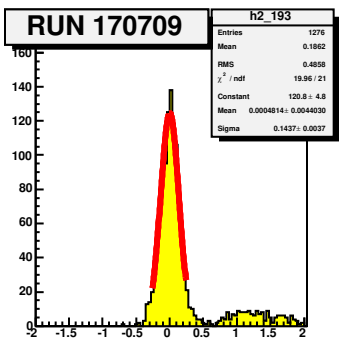

RUN 170699
h2_188
Entries 2281
Mean 0.1905
RMS 0.4941
χ² / ndf 30.88 / 22
Constant 233 ± 6.5
Mean 0.002287 ± 0.003173
Sigma 0.1448 ± 0.0025

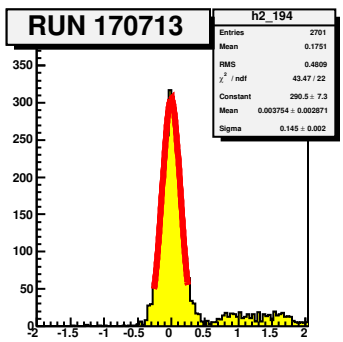

RUN 170701
h2_189
Entries 2376
Mean 0.1893
RMS 0.4982
χ² / ndf 50.1 / 21
Constant 256.8 ± 7.3
Mean 0.001398 ± 0.002964
Sigma 0.1396 ± 0.0027

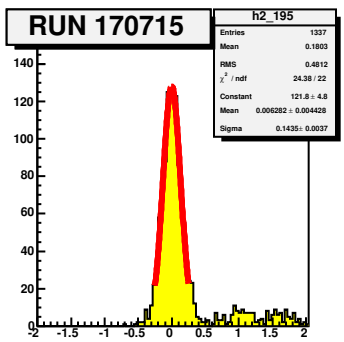

RUN 170703
h2_190
Entries 1322
Mean 0.1752
RMS 0.4915
χ² / ndf 32.62 / 22
Constant 130.9 ± 5.0
Mean 0.007475 ± 0.004160
Sigma 0.1376 ± 0.0033

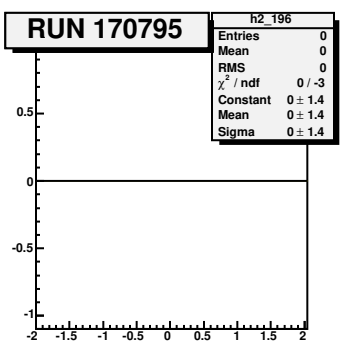

RUN 170705
h2_191
Entries 1601
Mean 0.1935
RMS 0.5151
χ² / ndf 35.66 / 22
Constant 147.7 ± 5.3
Mean 0.00257 ± 0.00401
Sigma 0.1467 ± 0.0035

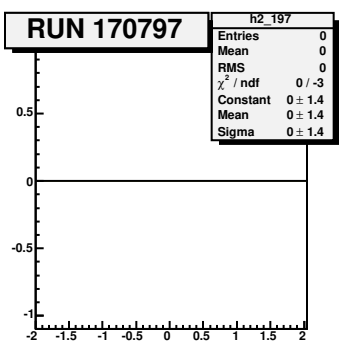

RUN 170707
h2_192
Entries 1780
Mean 0.1862
RMS 0.4888
χ² / ndf 25.71 / 21
Constant 172.3 ± 5.7
Mean 0.005544 ± 0.003685
Sigma 0.1443 ± 0.0031

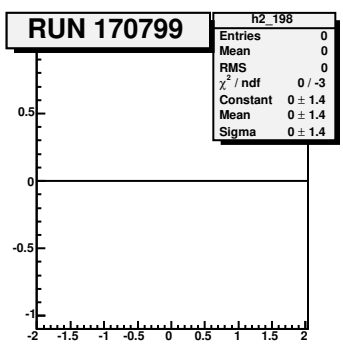

RUN 170709
h2_193
Entries 1276
Mean 0.1862
RMS 0.4858
χ² / ndf 19.96 / 21
Constant 120.8 ± 4.8
Mean 0.0004814 ± 0.0044030
Sigma 0.1437 ± 0.0037

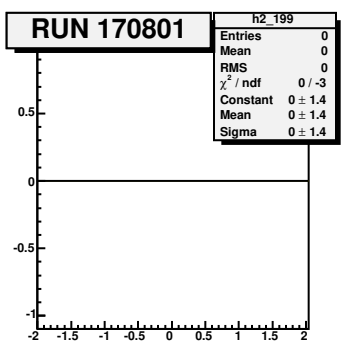

RUN 170713
h2_194
Entries 2701
Mean 0.1751
RMS 0.4809
χ² / ndf 43.47 / 22
Constant 290.5 ± 7.3
Mean 0.003754 ± 0.002871
Sigma 0.145 ± 0.002

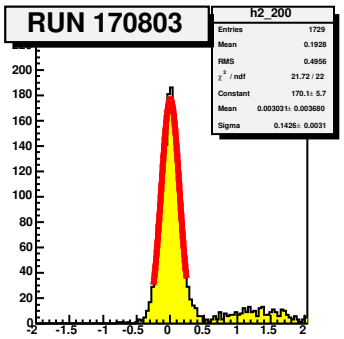

RUN 170715
h2_195
Entries 1337
Mean 0.1803
RMS 0.4812
χ² / ndf 24.38 / 22
Constant 121.8 ± 4.8
Mean 0.006282 ± 0.004428
Sigma 0.1435 ± 0.0037

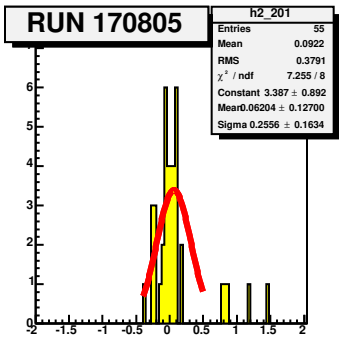

RUN 170795
h2_196
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

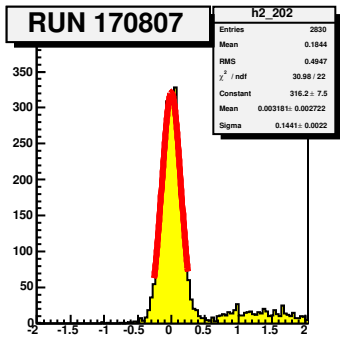

RUN 170797
h2_197
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

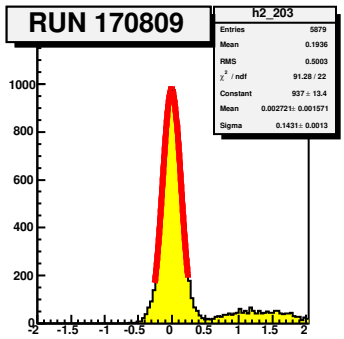

RUN 170799
h2_198
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

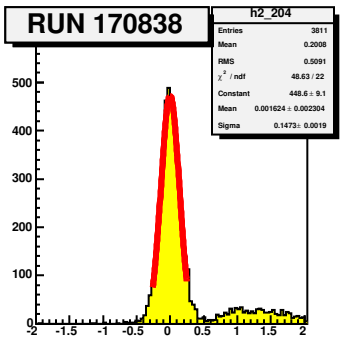

RUN 170801
h2_199
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

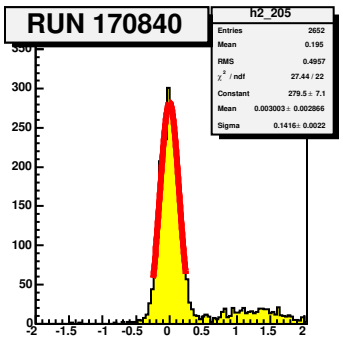

RUN 170803
h2_200
Entries 1729
Mean 0.1928
RMS 0.4956
χ² / ndf 21.72 / 22
Constant 170.1± 5.7
Mean 0.003031± 0.003680
Sigma 0.1426± 0.0031

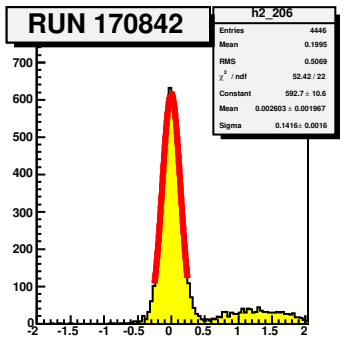

RUN 170805
h2_201
Entries 55
Mean 0.0922
RMS 0.3791
χ² / ndf 7.255 / 8
Constant 3.387 ± 0.892
Mean 0.06204 ± 0.12700
Sigma 0.2556 ± 0.1634

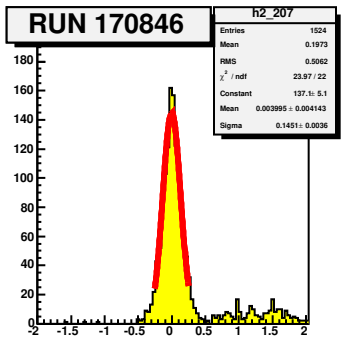

RUN 170807
h2_202
Entries 2830
Mean 0.1844
RMS 0.4947
χ² / ndf 30.98 / 22
Constant 316.2 ± 7.5
Mean 0.003181± 0.002722
Sigma 0.1441± 0.0022

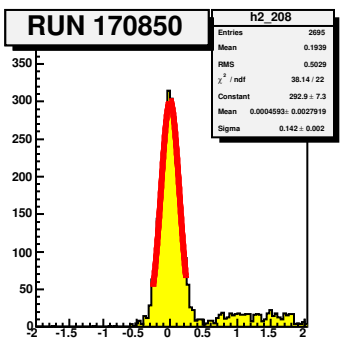

RUN 170809
h2_203
Entries 5879
Mean 0.1936
RMS 0.5003
χ² / ndf 91.28 / 22
Constant 937 ± 13.4
Mean 0.002721± 0.001571
Sigma 0.1431± 0.0013

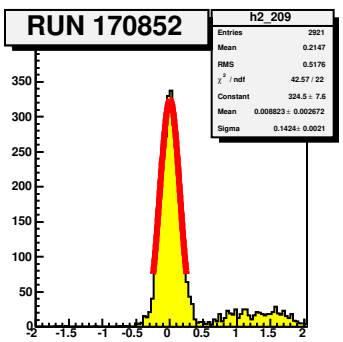

RUN 170838
h2_204
Entries 3811
Mean 0.2008
RMS 0.5091
χ² / ndf 48.63 / 22
Constant 448.6 ± 9.1
Mean 0.001624 ± 0.002304
Sigma 0.1473± 0.0019

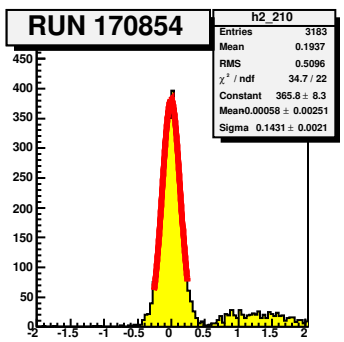

RUN 170840
h2_205
Entries 2652
Mean 0.195
RMS 0.4957
χ² / ndf 27.44 / 22
Constant 279.5 ± 7.1
Mean 0.003003 ± 0.002866
Sigma 0.1416± 0.0022

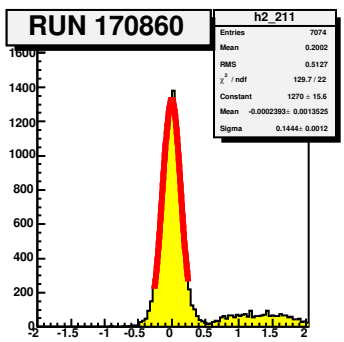

RUN 170842
h2_206
Entries 4446
Mean 0.1995
RMS 0.5069
χ² / ndf 52.42 / 22
Constant 592.7 ± 10.6
Mean 0.002603 ± 0.001967
Sigma 0.1416± 0.0016

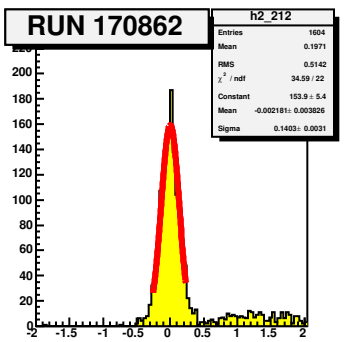

RUN 170846
h2_207
Entries 1524
Mean 0.1973
RMS 0.5062
χ² / ndf 23.97 / 22
Constant 137.1± 5.1
Mean 0.003995 ± 0.004143
Sigma 0.1451± 0.0036

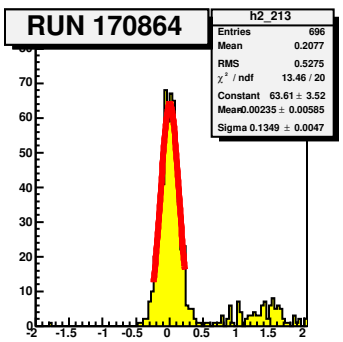

RUN 170850
h2_208
Entries 2695
Mean 0.1939
RMS 0.5029
χ² / ndf 38.14 / 22
Constant 292.9 ± 7.3
Mean 0.0004593± 0.0027919
Sigma 0.142 ± 0.002

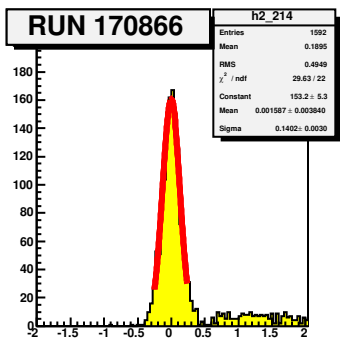

RUN 170852
h2_209
Entries 2921
Mean 0.2147
RMS 0.5176
χ² / ndf 42.57 / 22
Constant 324.5 ± 7.6
Mean 0.008823± 0.002672
Sigma 0.1424± 0.0021

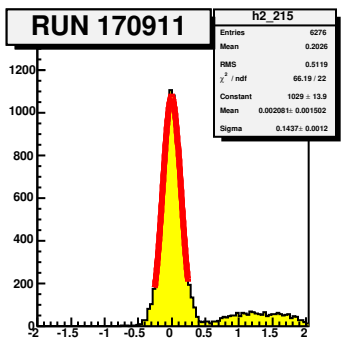

RUN 170854
h2_210
Entries 3183
Mean 0.1937
RMS 0.5096
χ² / ndf 34.7 / 22
Constant 365.8 ± 8.3
Mean 0.00058 ± 0.00251
Sigma 0.1431 ± 0.0021

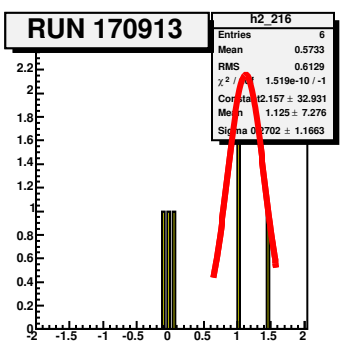

RUN 170860
h2_211
Entries 7074
Mean 0.2002
RMS 0.5127
χ² / ndf 129.7 / 22
Constant 1270 ± 15.6
Mean -0.0002393± 0.0013525
Sigma 0.1444± 0.0012

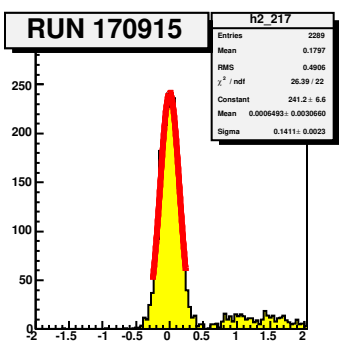

RUN 170862
h2_212
Entries 1604
Mean 0.1971
RMS 0.5142
χ² / ndf 34.59 / 22
Constant 153.9 ± 5.4
Mean -0.002181± 0.003826
Sigma 0.1403± 0.0031

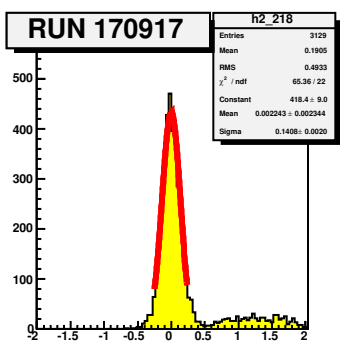

RUN 170864
h2_213
Entries 696
Mean 0.2077
RMS 0.5275
χ² / ndf 13.46 / 20
Constant 63.61 ± 3.52
Mean 0.00235 ± 0.00585
Sigma 0.1349 ± 0.0047

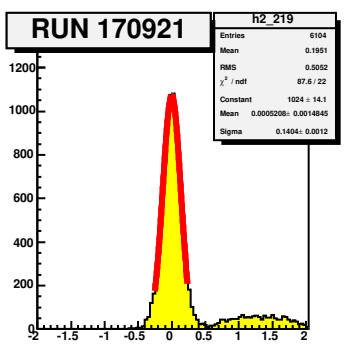

RUN 170866
h2_214
Entries 1592
Mean 0.1895
RMS 0.4949
χ² / ndf 29.63 / 22
Constant 153.2 ± 5.3
Mean 0.001587 ± 0.003840
Sigma 0.1402± 0.0030

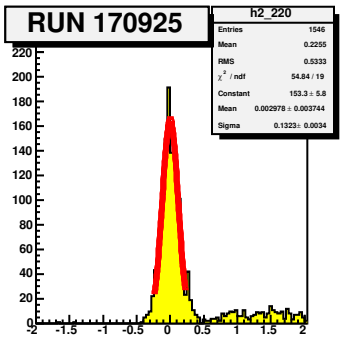

RUN 170911
h2_215
Entries 6276
Mean 0.2026
RMS 0.5119
χ² / ndf 66.19 / 22
Constant 1029 ± 13.9
Mean 0.002081± 0.001502
Sigma 0.1437± 0.0012

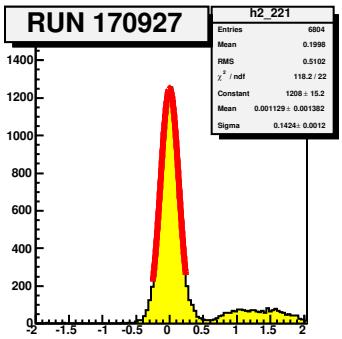

RUN 170913
h2_216
Entries 6
Mean 0.5733
RMS 0.6129
χ² / ndf 1.519e-10 / -1
Constant 32.157 ± 32.931
Mean 1.125 ± 7.276
Sigma 0.2702 ± 1.1663

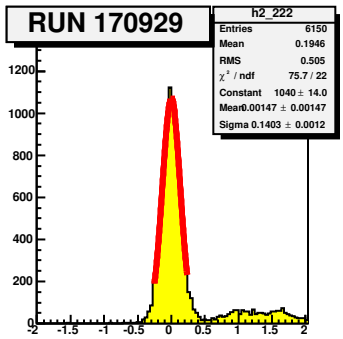

RUN 170915
h2_217
Entries 2289
Mean 0.1797
RMS 0.4906
χ² / ndf 26.39 / 22
Constant 241.2 ± 6.6
Mean 0.0006493± 0.0030660
Sigma 0.1411± 0.0023

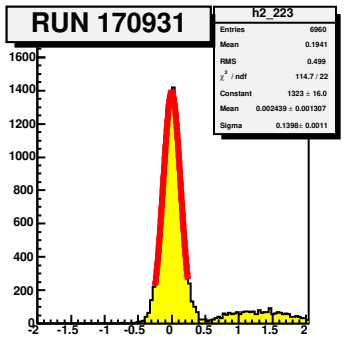

RUN 170917
h2_218
Entries 3129
Mean 0.1905
RMS 0.4933
χ² / ndf 65.36 / 22
Constant 418.4 ± 9.0
Mean 0.002243 ± 0.002344
Sigma 0.1408± 0.0020

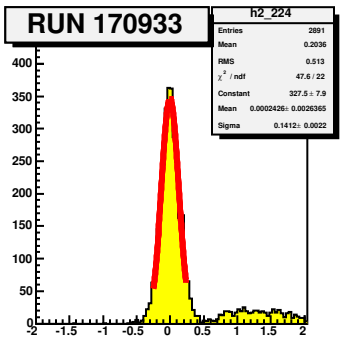

RUN 170921
h2_219
Entries 6104
Mean 0.1951
RMS 0.5052
χ² / ndf 87.6 / 22
Constant 1024 ± 14.1
Mean 0.0005208± 0.0014845
Sigma 0.1404± 0.0012

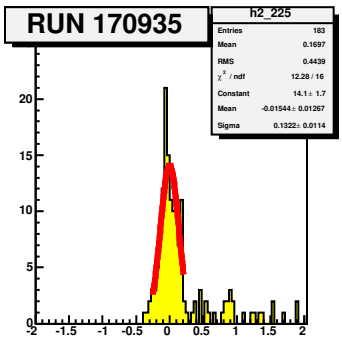

RUN 170925
h2_220
Entries 1546
Mean 0.2255
RMS 0.5333
χ² / ndf 54.84 / 19
Constant 153.3 ± 5.8
Mean 0.002978 ± 0.003744
Sigma 0.1323± 0.0034

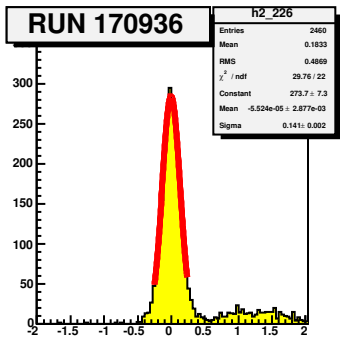

RUN 170927
h2_221
Entries 6804
Mean 0.1998
RMS 0.5102
χ² / ndf 118.2 / 22
Constant 1208 ± 15.2
Mean 0.001129± 0.001382
Sigma 0.1424± 0.0012

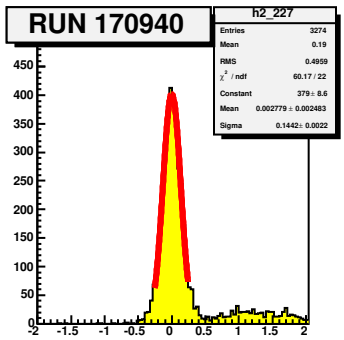

RUN 170929
h2_222
Entries 6150
Mean 0.1946
RMS 0.505
χ² / ndf 75.7 / 22
Constant 1040 ± 14.0
Mean 0.00147 ± 0.00147
Sigma 0.1403 ± 0.0012

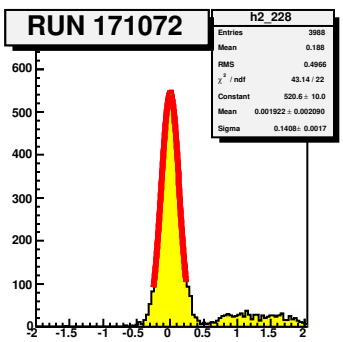

RUN 170931
h2_223
Entries 6960
Mean 0.1941
RMS 0.499
χ² / ndf 114.7 / 22
Constant 1323 ± 16.0
Mean 0.002439 ± 0.001307
Sigma 0.1398± 0.0011

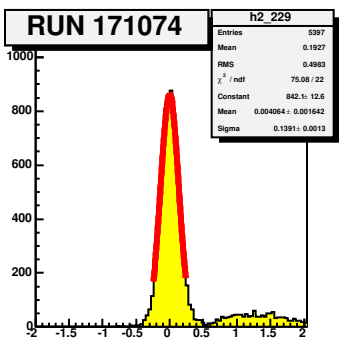

RUN 170933
h2_224
Entries 2891
Mean 0.2036
RMS 0.513
χ² / ndf 47.6 / 22
Constant 327.5 ± 7.9
Mean 0.0002426± 0.0026365
Sigma 0.1412± 0.0022

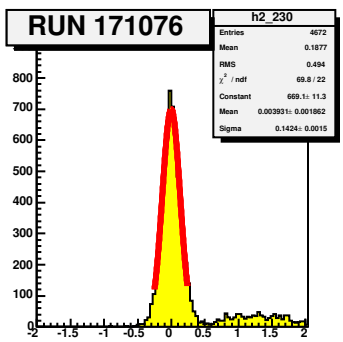

RUN 170935
h2_225
Entries 183
Mean 0.1697
RMS 0.4439
χ² / ndf 12.28 / 16
Constant 14.1± 1.7
Mean -0.01544± 0.01267
Sigma 0.1322± 0.0114

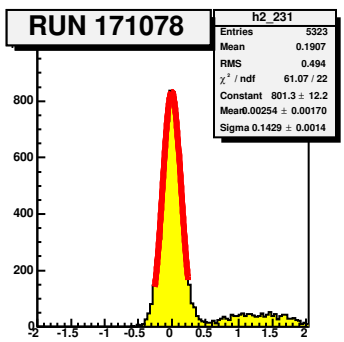

RUN 170936
h2_226
Entries 2460
Mean 0.1833
RMS 0.4869
χ² / ndf 29.76 / 22
Constant 273.7 ± 7.3
Mean -5.524e-05 ± 2.877e-03
Sigma 0.141± 0.002

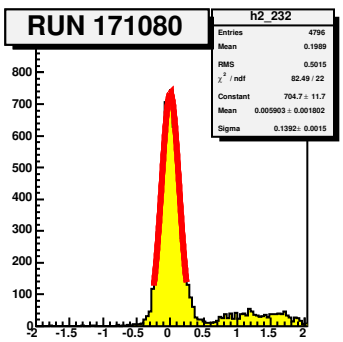

RUN 170940
h2_227
Entries 3274
Mean 0.19
RMS 0.4959
χ² / ndf 60.17 / 22
Constant 379± 8.6
Mean 0.002779 ± 0.002483
Sigma 0.1442± 0.0022

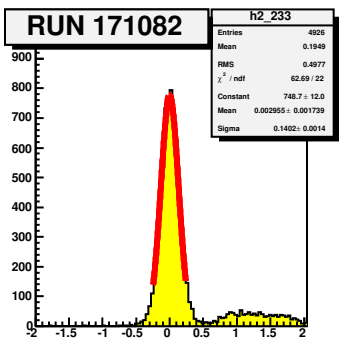

RUN 171072
h2_228
Entries 3988
Mean 0.188
RMS 0.4966
χ² / ndf 43.14 / 22
Constant 520.6 ± 10.0
Mean 0.001922 ± 0.002090
Sigma 0.1408± 0.0017

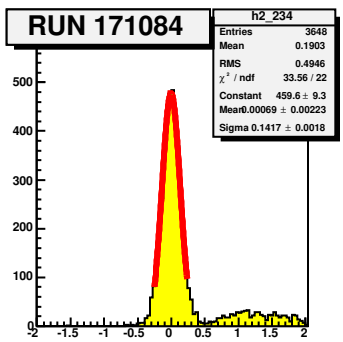

RUN 171074
h2_229
Entries 5397
Mean 0.1927
RMS 0.4983
χ² / ndf 75.08 / 22
Constant 842.1± 12.6
Mean 0.004064± 0.001642
Sigma 0.1391± 0.0013

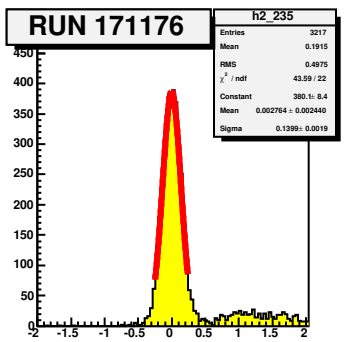

RUN 171076
h2_230
Entries 4672
Mean 0.1877
RMS 0.494
χ² / ndf 69.8 / 22
Constant 669.1± 11.3
Mean 0.003931± 0.001862
Sigma 0.1424± 0.0015

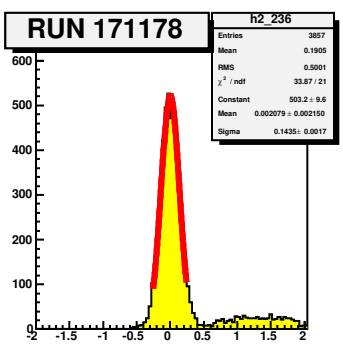

RUN 171078
h2_231
Entries 5323
Mean 0.1907
RMS 0.494
χ² / ndf 61.07 / 22
Constant 801.3 ± 12.2
Mean 0.00254 ± 0.00170
Sigma 0.1429 ± 0.0014

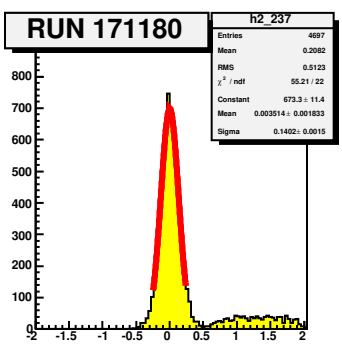

RUN 171080
h2_232
Entries 4796
Mean 0.1989
RMS 0.5015
χ² / ndf 82.49 / 22
Constant 704.7 ± 11.7
Mean 0.005903 ± 0.001802
Sigma 0.1392± 0.0015

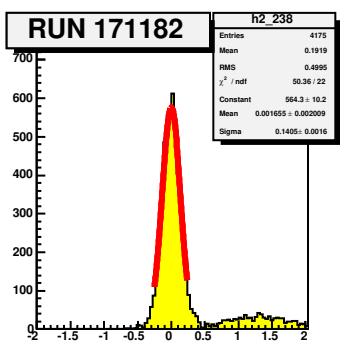

RUN 171082
h2_233
Entries 4926
Mean 0.1949
RMS 0.4977
χ² / ndf 62.69 / 22
Constant 748.7 ± 12.0
Mean 0.002955± 0.001739
Sigma 0.1402± 0.0014

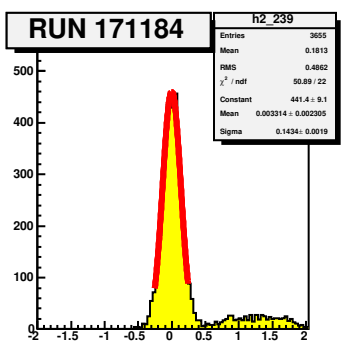

RUN 171084
h2_234
Entries 3648
Mean 0.1903
RMS 0.4946
χ² / ndf 33.56 / 22
Constant 459.6 ± 9.3
Mean 0.00069 ± 0.00223
Sigma 0.1417 ± 0.0018

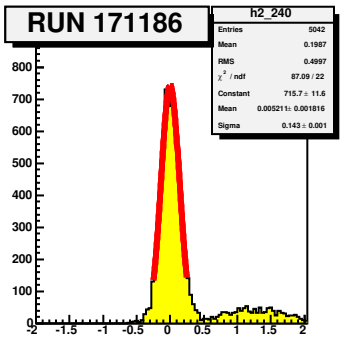

RUN 171176
h2_235
Entries 3217
Mean 0.1915
RMS 0.4975
χ² / ndf 43.59 / 22
Constant 380.1± 8.4
Mean 0.002764 ± 0.002440
Sigma 0.1399± 0.0019

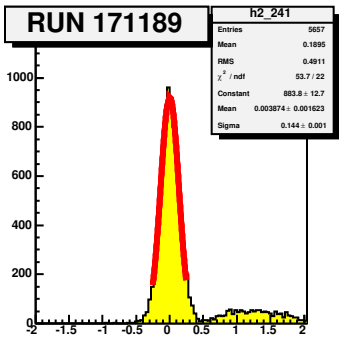

RUN 171178
h2_236
Entries 3857
Mean 0.1905
RMS 0.5001
χ² / ndf 33.87 / 21
Constant 503.2 ± 9.6
Mean 0.002079 ± 0.002150
Sigma 0.1435± 0.0017

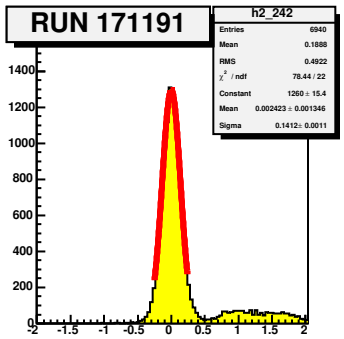

RUN 171180
h2_237
Entries 4697
Mean 0.2082
RMS 0.5123
χ² / ndf 55.21 / 22
Constant 673.3 ± 11.4
Mean 0.003514 ± 0.001833
Sigma 0.1402± 0.0015

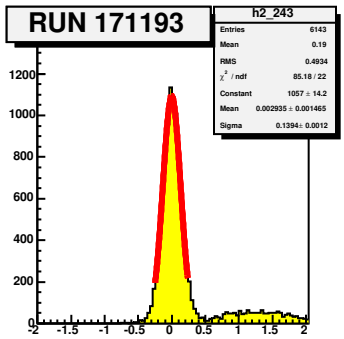

RUN 171182
h2_238
Entries 4175
Mean 0.1919
RMS 0.4995
χ² / ndf 50.36 / 22
Constant 564.3 ± 10.2
Mean 0.001655 ± 0.002009
Sigma 0.1405± 0.0016

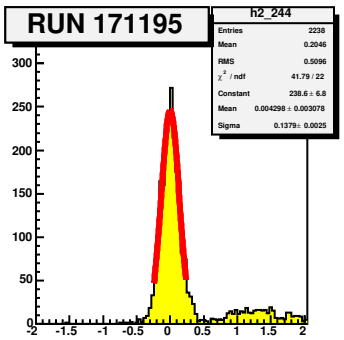

RUN 171184
h2_239
Entries 3655
Mean 0.1813
RMS 0.4862
χ² / ndf 50.89 / 22
Constant 441.4 ± 9.1
Mean 0.003314 ± 0.002305
Sigma 0.1434± 0.0019

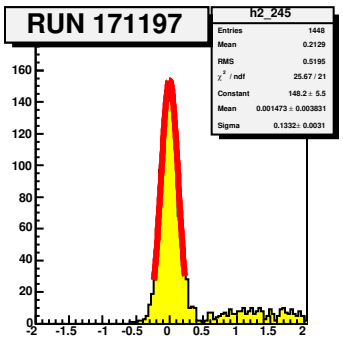

RUN 171186
h2_240
Entries 5042
Mean 0.1987
RMS 0.4997
χ² / ndf 87.09 / 22
Constant 715.7 ± 11.6
Mean 0.005211 ± 0.001816
Sigma 0.143 ± 0.001

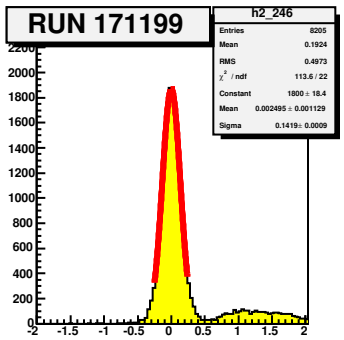

RUN 171189
h2_241
Entries 5657
Mean 0.1895
RMS 0.4911
χ² / ndf 53.7 / 22
Constant 883.8 ± 12.7
Mean 0.003874 ± 0.001623
Sigma 0.144 ± 0.001

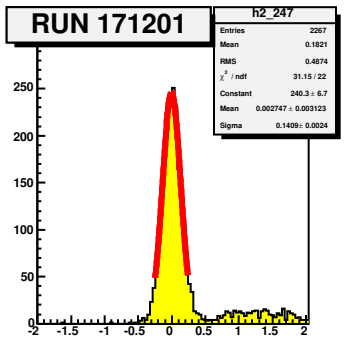

RUN 171191
h2_242
Entries 6940
Mean 0.1888
RMS 0.4922
χ² / ndf 78.44 / 22
Constant 1260 ± 15.4
Mean 0.002423 ± 0.001346
Sigma 0.1412 ± 0.0011

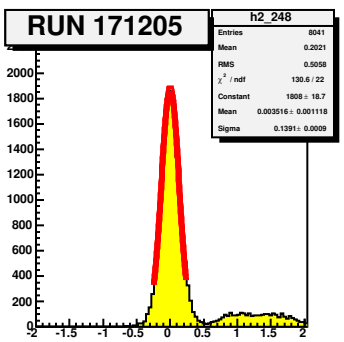

RUN 171193
h2_243
Entries 6143
Mean 0.19
RMS 0.4934
χ² / ndf 85.18 / 22
Constant 1057 ± 14.2
Mean 0.002935 ± 0.001465
Sigma 0.1394 ± 0.0012

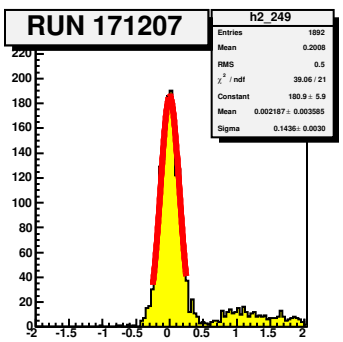

RUN 171195
h2_244
Entries 2238
Mean 0.2046
RMS 0.5096
χ² / ndf 41.79 / 22
Constant 238.6 ± 6.8
Mean 0.004298 ± 0.003078
Sigma 0.1379 ± 0.0025

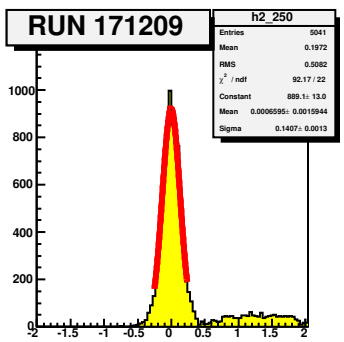

RUN 171197
h2_245
Entries 1448
Mean 0.2129
RMS 0.5195
χ² / ndf 25.67 / 21
Constant 148.2 ± 5.5
Mean 0.001473 ± 0.003831
Sigma 0.1332 ± 0.0031

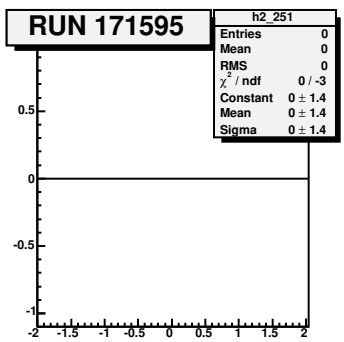

RUN 171199
h2_246
Entries 8205
Mean 0.1924
RMS 0.4973
χ² / ndf 113.6 / 22
Constant 1800 ± 18.4
Mean 0.002495 ± 0.001129
Sigma 0.1419 ± 0.0009

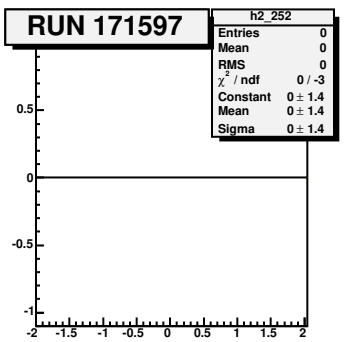

RUN 171201
h2_247
Entries 2267
Mean 0.1821
RMS 0.4874
χ² / ndf 31.15 / 22
Constant 240.3 ± 6.7
Mean 0.002747 ± 0.003123
Sigma 0.1409 ± 0.0024

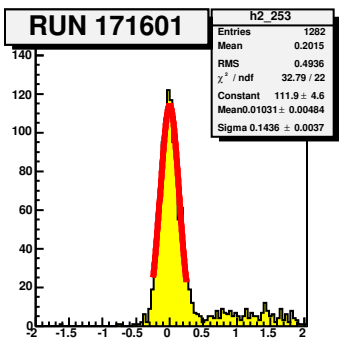

RUN 171205
h2_248
Entries 8041
Mean 0.2021
RMS 0.5058
χ² / ndf 130.6 / 22
Constant 1808 ± 18.7
Mean 0.003516 ± 0.001118
Sigma 0.1391 ± 0.0009

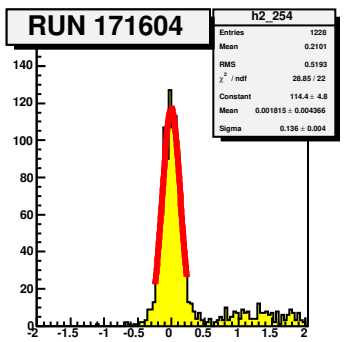

RUN 171207
h2_249
Entries 1892
Mean 0.2008
RMS 0.5
χ² / ndf 39.06 / 21
Constant 180.9 ± 5.9
Mean 0.002187 ± 0.003585
Sigma 0.1436 ± 0.0030

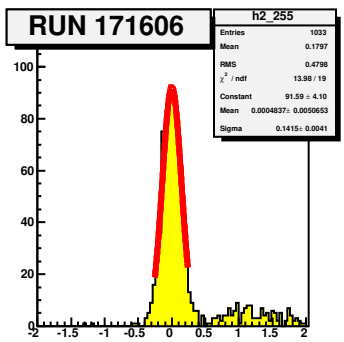

RUN 171209
h2_250
Entries 5041
Mean 0.1972
RMS 0.5082
χ² / ndf 92.17 / 22
Constant 889.1 ± 13.0
Mean 0.0006595 ± 0.0015944
Sigma 0.1407 ± 0.0013

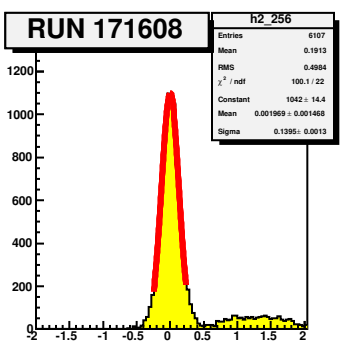

RUN 171595
h2_251
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

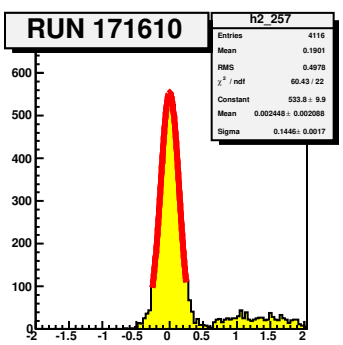

RUN 171597
h2_252
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

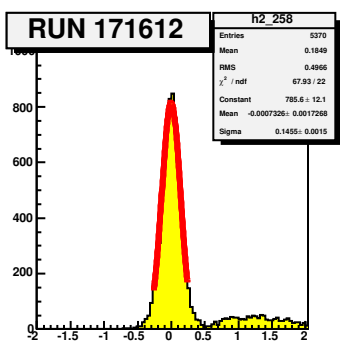

RUN 171601
h2_253
Entries 1282
Mean 0.2015
RMS 0.4936
χ² / ndf 32.79 / 22
Constant 111.9 ± 4.6
Mean 0.01031 ± 0.00484
Sigma 0.1436 ± 0.0037

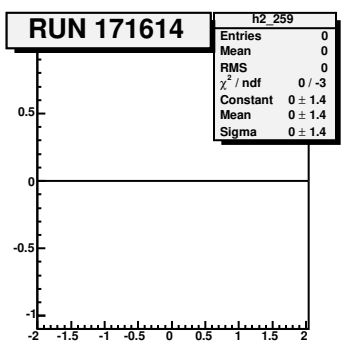

RUN 171604
h2_254
Entries 1228
Mean 0.2101
RMS 0.5193
χ² / ndf 28.85 / 22
Constant 114.4 ± 4.8
Mean 0.001815 ± 0.004366
Sigma 0.136 ± 0.004

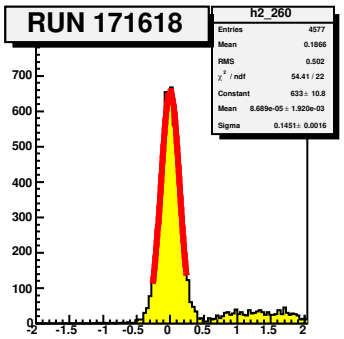

RUN 171606
h2_255
Entries 1033
Mean 0.1797
RMS 0.4798
χ² / ndf 13.98 / 19
Constant 91.59 ± 4.10
Mean 0.0004837 ± 0.0050653
Sigma 0.1415 ± 0.0041

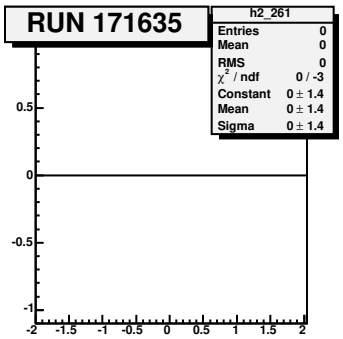

RUN 171608
h2_256
Entries 6107
Mean 0.1913
RMS 0.4984
χ² / ndf 100.1 / 22
Constant 1042 ± 14.4
Mean 0.001969 ± 0.001468
Sigma 0.1395 ± 0.0013

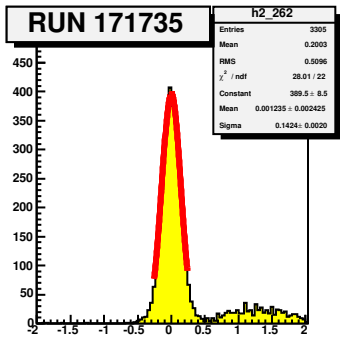

RUN 171610
h2_257
Entries 4116
Mean 0.1901
RMS 0.4978
χ² / ndf 60.43 / 22
Constant 533.8 ± 9.9
Mean 0.002448 ± 0.002088
Sigma 0.1446 ± 0.0017

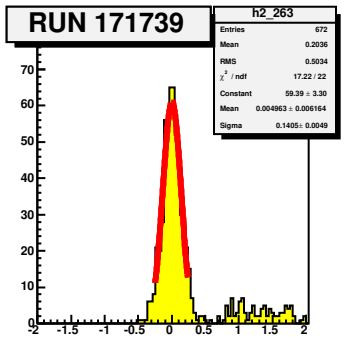

RUN 171612
h2_258
Entries 5370
Mean 0.1849
RMS 0.4966
χ² / ndf 67.93 / 22
Constant 785.6 ± 12.1
Mean -0.0007326 ± 0.0017268
Sigma 0.1455 ± 0.0015

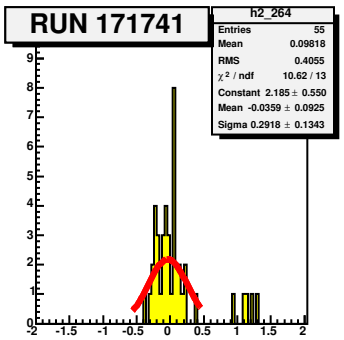

RUN 171614
h2_259
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

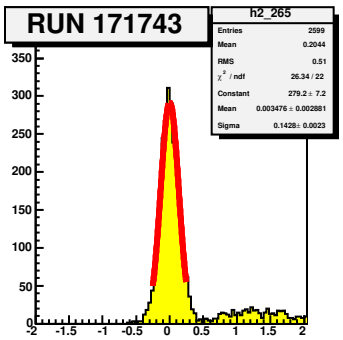

RUN 171618
h2_260
Entries 4577
Mean 0.1866
RMS 0.502
χ² / ndf 54.41 / 22
Constant 633 ± 10.8
Mean 8.689e-05 ± 1.920e-03
Sigma 0.1451 ± 0.0016

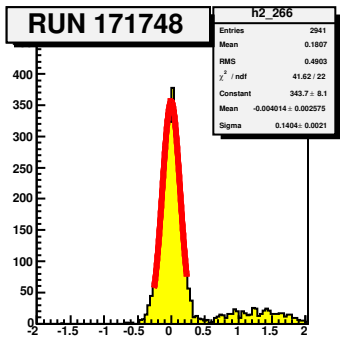

RUN 171635
h2_261
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

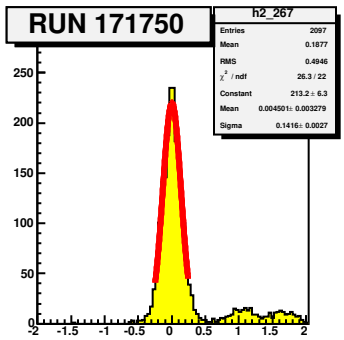

RUN 171735
h2_262
Entries 3305
Mean 0.2003
RMS 0.5096
χ² / ndf 28.01 / 22
Constant 389.5 ± 8.5
Mean 0.001235 ± 0.002425
Sigma 0.1424 ± 0.0020

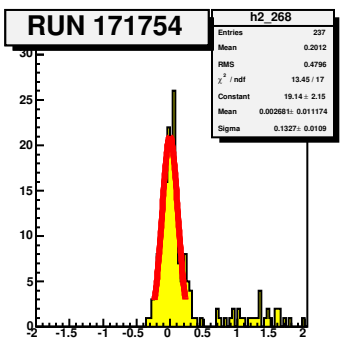

RUN 171739
h2_263
Entries 672
Mean 0.2036
RMS 0.5034
χ² / ndf 17.22 / 22
Constant 59.39 ± 3.30
Mean 0.004963 ± 0.006164
Sigma 0.1405 ± 0.0049

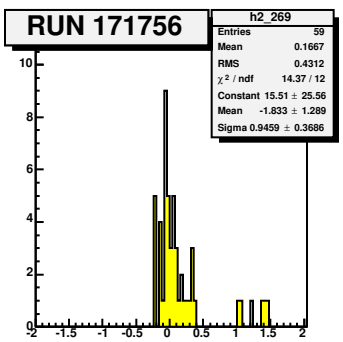

RUN 171741
h2_264
Entries 55
Mean 0.09818
RMS 0.4055
χ² / ndf 10.62 / 13
Constant 2.185 ± 0.550
Mean -0.0359 ± 0.0925
Sigma 0.2918 ± 0.1343

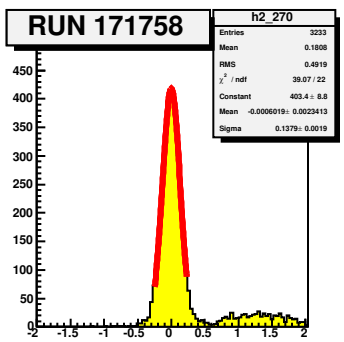

RUN 171743
h2_265
Entries 2599
Mean 0.2044
RMS 0.51
χ² / ndf 26.34 / 22
Constant 279.2 ± 7.2
Mean 0.003476 ± 0.002881
Sigma 0.1428 ± 0.0023

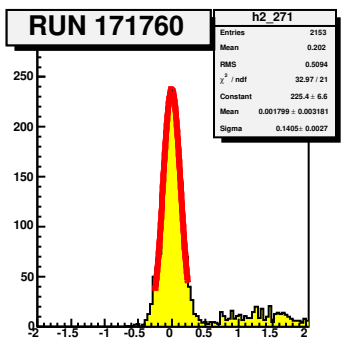

RUN 171748
h2_266
Entries 2941
Mean 0.1807
RMS 0.4903
χ² / ndf 41.62 / 22
Constant 343.7 ± 8.1
Mean -0.004014 ± 0.002575
Sigma 0.1404 ± 0.0021

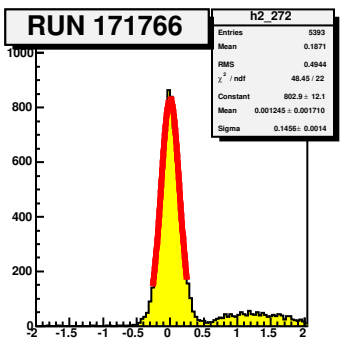

RUN 171750
h2_267
Entries 2097
Mean 0.1877
RMS 0.4946
χ² / ndf 26.3 / 22
Constant 213.2 ± 6.3
Mean 0.004501 ± 0.003279
Sigma 0.1416 ± 0.0027

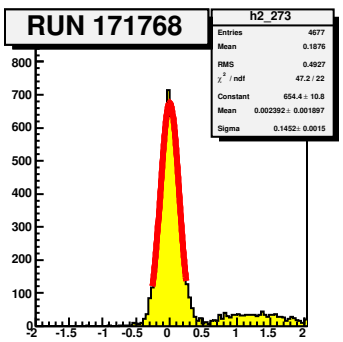

RUN 171754
h2_268
Entries 237
Mean 0.2012
RMS 0.4796
χ² / ndf 13.45 / 17
Constant 19.14 ± 2.15
Mean 0.002681 ± 0.011174
Sigma 0.1327 ± 0.0109

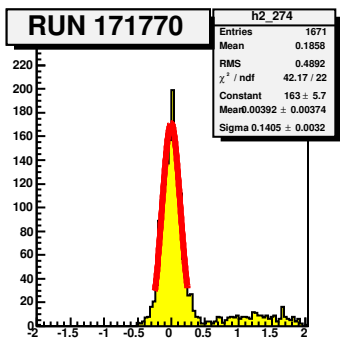

RUN 171756
h2_269
Entries 59
Mean 0.1667
RMS 0.4312
χ² / ndf 14.37 / 12
Constant 15.51 ± 25.56
Mean -1.833 ± 1.289
Sigma 0.9459 ± 0.3686

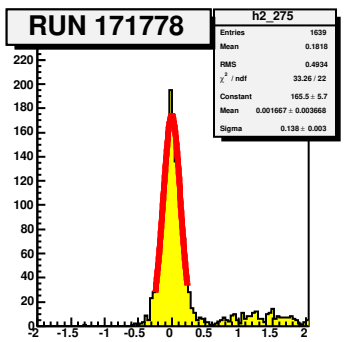

RUN 171758
h2_270
Entries 3233
Mean 0.1608
RMS 0.4919
χ² / ndf 39.07 / 22
Constant 403.4 ± 8.8
Mean -0.0006019 ± 0.0023413
Sigma 0.1379 ± 0.0019

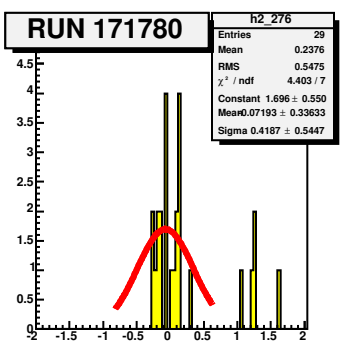

RUN 171760
h2_271
Entries 2153
Mean 0.202
RMS 0.5094
χ² / ndf 32.97 / 21
Constant 225.4 ± 6.6
Mean 0.001799 ± 0.003181
Sigma 0.1405 ± 0.0027

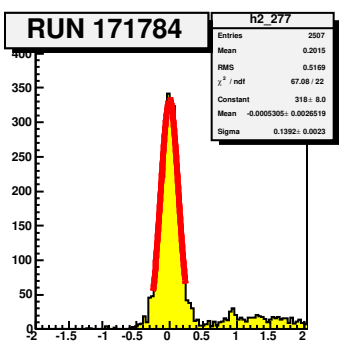

RUN 171766
h2_272
Entries 5393
Mean 0.1871
RMS 0.4944
χ² / ndf 48.45 / 22
Constant 802.9 ± 12.1
Mean 0.001245 ± 0.001710
Sigma 0.1456 ± 0.0014

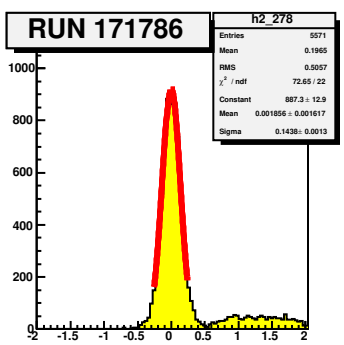

RUN 171768
h2_273
Entries 4677
Mean 0.1876
RMS 0.4927
χ² / ndf 47.2 / 22
Constant 654.4 ± 10.8
Mean 0.002392 ± 0.001897
Sigma 0.1452 ± 0.0015

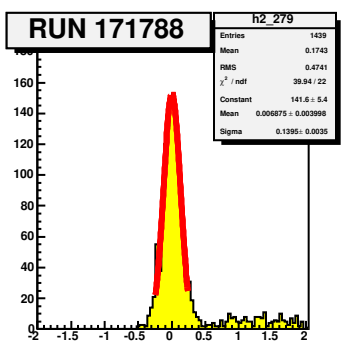

RUN 171770
h2_274
Entries 1671
Mean 0.1858
RMS 0.4892
χ² / ndf 42.17 / 22
Constant 163 ± 5.7
Mean 0.00392 ± 0.00374
Sigma 0.1405 ± 0.0032

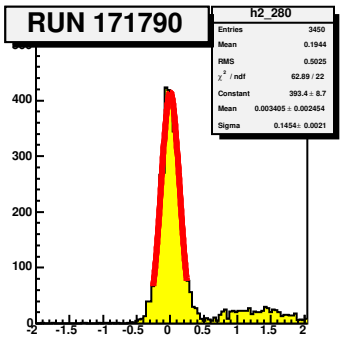

RUN 171778
h2_275
Entries 1639
Mean 0.1818
RMS 0.4934
χ² / ndf 33.26 / 22
Constant 165.5 ± 5.7
Mean 0.001667 ± 0.003668
Sigma 0.138 ± 0.003

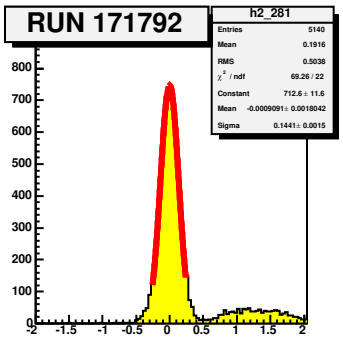

RUN 171780
h2_276
Entries 29
Mean 0.2376
RMS 0.5475
χ² / ndf 4.403 / 7
Constant 1.696 ± 0.550
Mean 0.07193 ± 0.33633
Sigma 0.4187 ± 0.5447

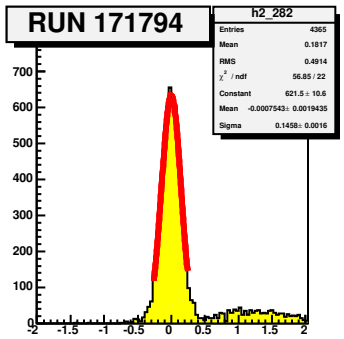

RUN 171784
h2_277
Entries 2507
Mean 0.2015
RMS 0.5169
χ² / ndf 67.08 / 22
Constant 318 ± 8.0
Mean -0.0005305 ± 0.0026519
Sigma 0.1392 ± 0.0023

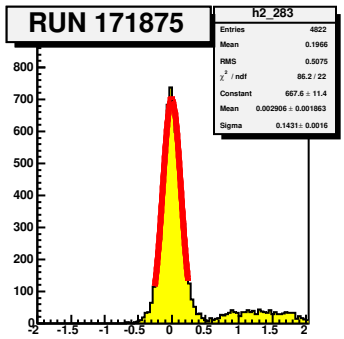

RUN 171786
h2_278
Entries 5571
Mean 0.1965
RMS 0.5057
χ² / ndf 72.65 / 22
Constant 887.3 ± 12.9
Mean 0.001856 ± 0.001617
Sigma 0.1438 ± 0.0013

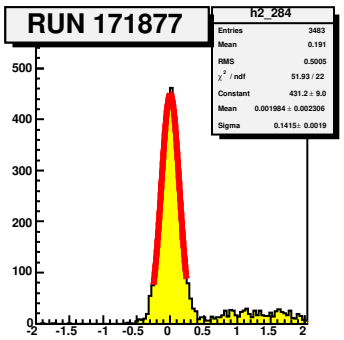

RUN 171788
h2_279
Entries 1439
Mean 0.1743
RMS 0.4741
χ² / ndf 39.94 / 22
Constant 141.6 ± 5.4
Mean 0.006875 ± 0.003998
Sigma 0.1395 ± 0.0035

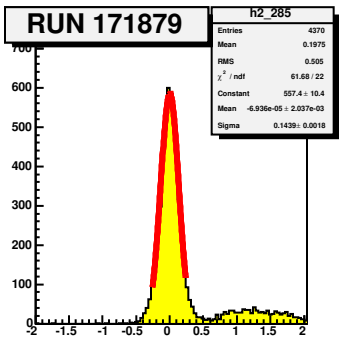

RUN 171790
h2_280
Entries 3450
Mean 0.1944
RMS 0.5025
χ² / ndf 62.89 / 22
Constant 393.4 ± 8.7
Mean 0.003405 ± 0.002454
Sigma 0.1454 ± 0.0021

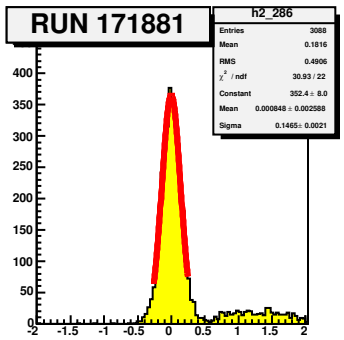

RUN 171792
h2_281
Entries 5140
Mean 0.1916
RMS 0.5038
χ² / ndf 69.26 / 22
Constant 712.6 ± 11.6
Mean -0.0009091 ± 0.0018042
Sigma 0.1441 ± 0.0015

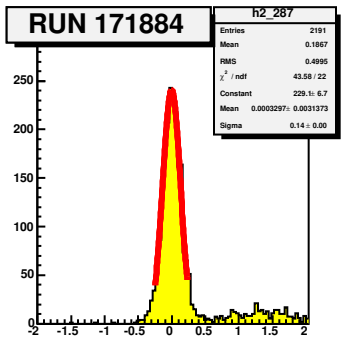

RUN 171794
h2_282
Entries 4365
Mean 0.1817
RMS 0.4914
χ² / ndf 56.85 / 22
Constant 621.5 ± 10.6
Mean -0.0007543 ± 0.0019435
Sigma 0.1458 ± 0.0016

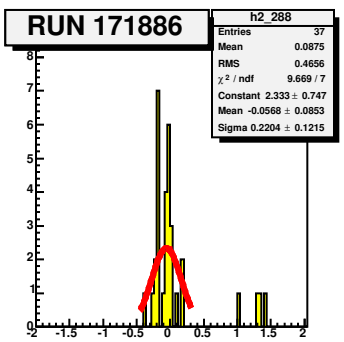

RUN 171875
h2_283
Entries 4822
Mean 0.1966
RMS 0.5075
χ² / ndf 86.2 / 22
Constant 667.6 ± 11.4
Mean 0.002906 ± 0.001863
Sigma 0.1431 ± 0.0016

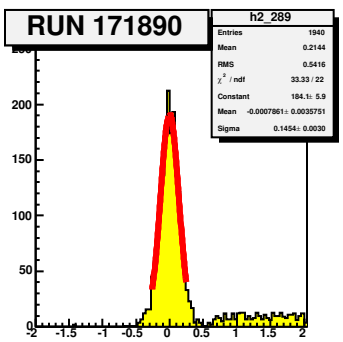

RUN 171877
h2_284
Entries 3483
Mean 0.191
RMS 0.5005
χ² / ndf 51.93 / 22
Constant 431.2 ± 9.0
Mean 0.001984 ± 0.002306
Sigma 0.1415 ± 0.0019

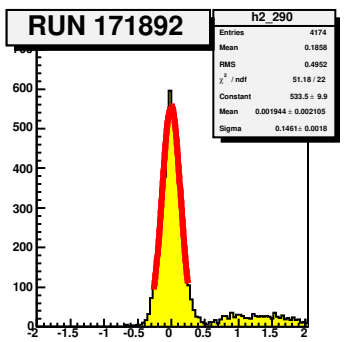

RUN 171879
h2_285
Entries 4370
Mean 0.1975
RMS 0.505
χ² / ndf 61.68 / 22
Constant 557.4 ± 10.4
Mean -6.936e-05 ± 2.037e-03
Sigma 0.1439 ± 0.0018

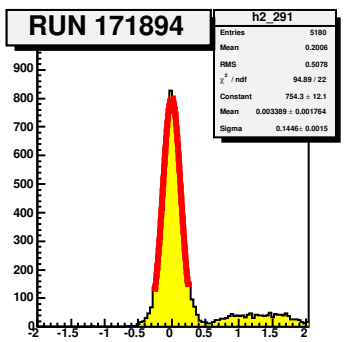

RUN 171881
h2_286
Entries 3088
Mean 0.1816
RMS 0.4906
χ² / ndf 30.93 / 22
Constant 352.4 ± 8.0
Mean 0.000848 ± 0.002588
Sigma 0.1465 ± 0.0021

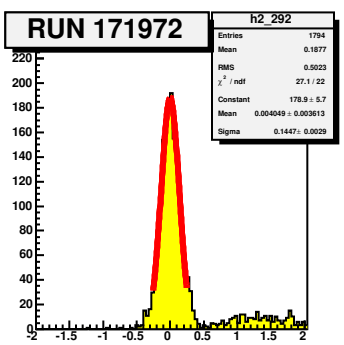

RUN 171884
h2_287
Entries 2191
Mean 0.1867
RMS 0.4995
χ² / ndf 43.58 / 22
Constant 229.1 ± 6.7
Mean 0.0003297 ± 0.0031373
Sigma 0.14 ± 0.00

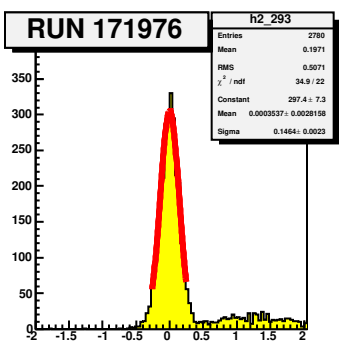

RUN 171886
h2_288
Entries 37
Mean 0.0875
RMS 0.4656
χ² / ndf 9.669 / 7
Constant 2.333 ± 0.747
Mean -0.0568 ± 0.0853
Sigma 0.2204 ± 0.1215

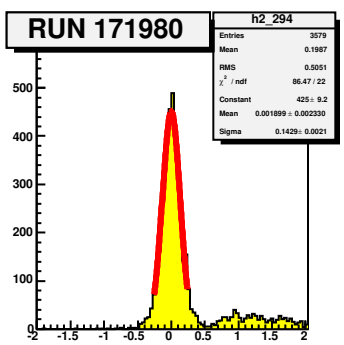

RUN 171890
h2_289
Entries 1940
Mean 0.2144
RMS 0.5416
χ² / ndf 33.33 / 22
Constant 184.1 ± 5.9
Mean -0.0007861 ± 0.0035751
Sigma 0.1454 ± 0.0030

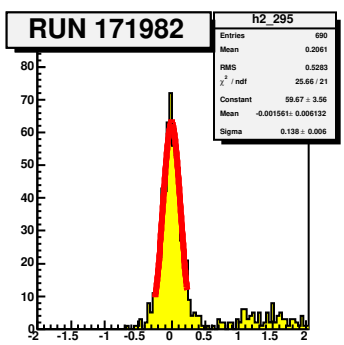

RUN 171892
h2_290
Entries 4174
Mean 0.1858
RMS 0.4952
χ² / ndf 51.18 / 22
Constant 533.5 ± 9.9
Mean 0.001944 ± 0.002105
Sigma 0.1461 ± 0.0018

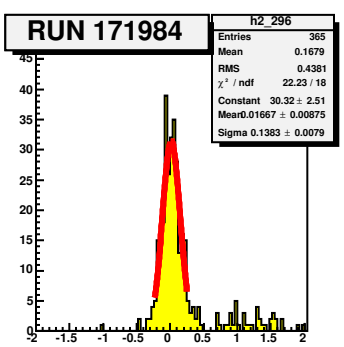

RUN 171894
h2_291
Entries 5180
Mean 0.2006
RMS 0.5078
χ² / ndf 94.89 / 22
Constant 754.3 ± 12.1
Mean 0.003389 ± 0.001764
Sigma 0.1446 ± 0.0015

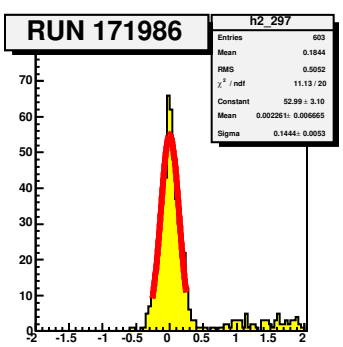

RUN 171972
h2_292
Entries 1794
Mean 0.1877
RMS 0.5023
χ² / ndf 27.1 / 22
Constant 178.9 ± 5.7
Mean 0.004049 ± 0.003613
Sigma 0.1447 ± 0.0029

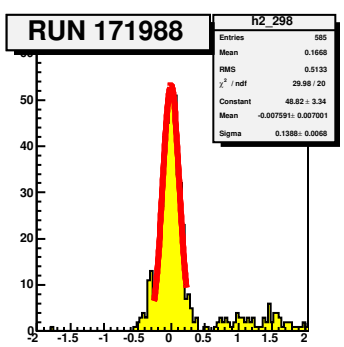

RUN 171976
h2_293
Entries 2780
Mean 0.1971
RMS 0.5071
χ² / ndf 34.9 / 22
Constant 297.4 ± 7.3
Mean 0.0003537 ± 0.0028158
Sigma 0.1464 ± 0.0023

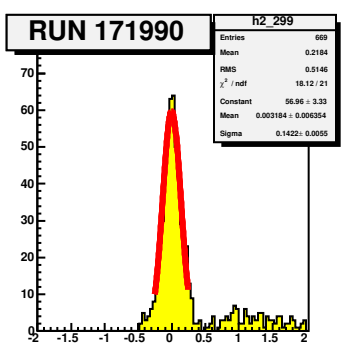

RUN 171980
h2_294
Entries 3579
Mean 0.1987
RMS 0.5051
χ² / ndf 86.47 / 22
Constant 425 ± 9.2
Mean 0.001899 ± 0.002330
Sigma 0.1429 ± 0.0021

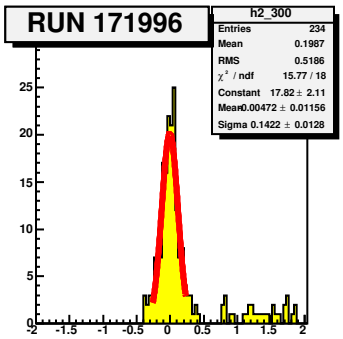

RUN 171982
h2_295
Entries 690
Mean 0.2061
RMS 0.5283
χ² / ndf 25.66 / 21
Constant 59.67 ± 3.56
Mean -0.001561 ± 0.006132
Sigma 0.138 ± 0.006

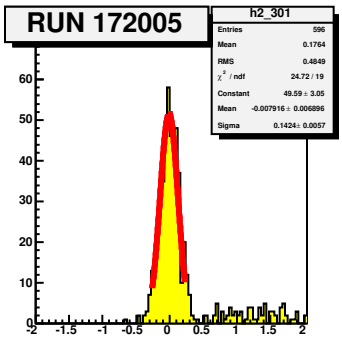

RUN 171984
h2_296
Entries 365
Mean 0.1679
RMS 0.4381
χ² / ndf 22.23 / 18
Constant 30.32 ± 2.51
Mean 0.01667 ± 0.00875
Sigma 0.1383 ± 0.0079

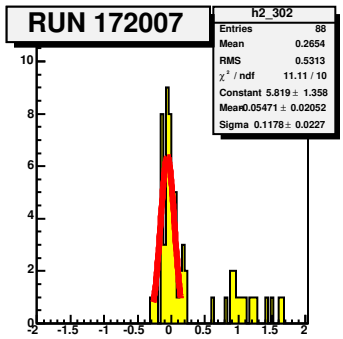

RUN 171986
h2_297
Entries 603
Mean 0.1844
RMS 0.5052
χ² / ndf 11.13 / 20
Constant 52.99 ± 3.10
Mean 0.002261 ± 0.006665
Sigma 0.1444 ± 0.0053

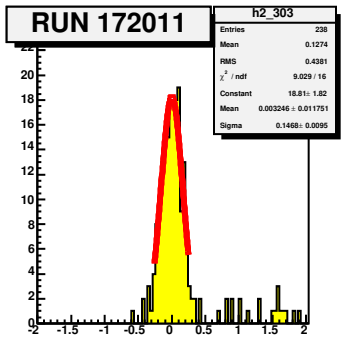

RUN 171988
h2_298
Entries 585
Mean 0.1668
RMS 0.5133
χ² / ndf 29.98 / 20
Constant 48.82 ± 3.34
Mean -0.007591 ± 0.007001
Sigma 0.1388 ± 0.0068

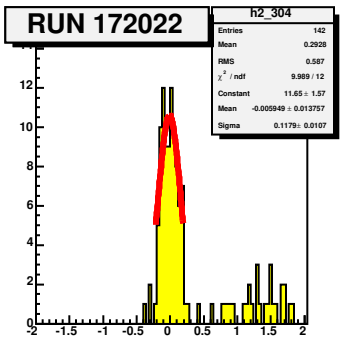

RUN 171990
h2_299
Entries 669
Mean 0.2184
RMS 0.5146
χ² / ndf 18.12 / 21
Constant 56.96 ± 3.33
Mean 0.003184 ± 0.006354
Sigma 0.1422 ± 0.0055

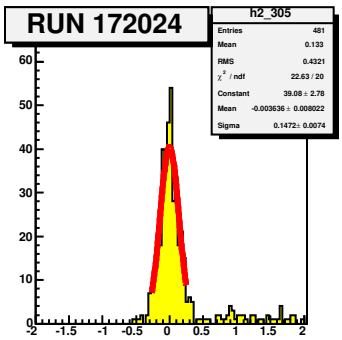

RUN 171996
h2_300
Entries 234
Mean 0.1987
RMS 0.5186
χ² / ndf 15.77 / 18
Constant 17.82 ± 2.11
Mean 0.00472 ± 0.01156
Sigma 0.1422 ± 0.0128

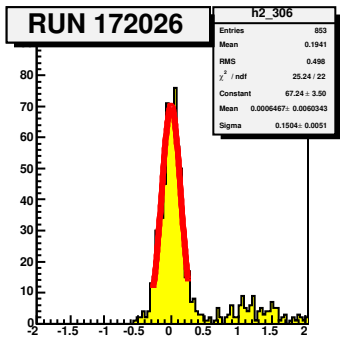

RUN 172005
h2_301
Entries 596
Mean 0.1764
RMS 0.4849
χ² / ndf 24.72 / 19
Constant 49.59 ± 3.05
Mean -0.007916 ± 0.006896
Sigma 0.1424 ± 0.0057

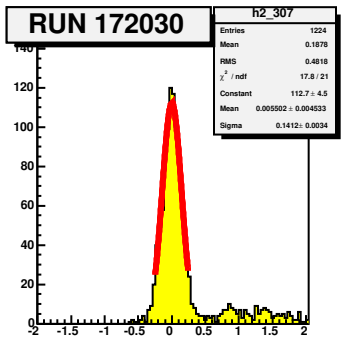

RUN 172007
h2_302
Entries 88
Mean 0.2654
RMS 0.5313
χ² / ndf 11.11 / 10
Constant 5.819 ± 1.358
Mean 0.05471 ± 0.02052
Sigma 0.1178 ± 0.0227

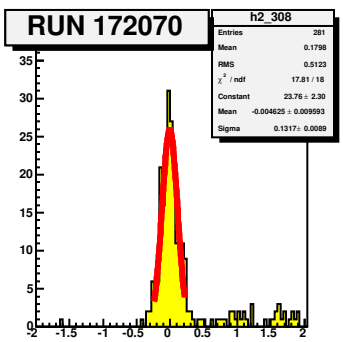

RUN 172011
h2_303
Entries 238
Mean 0.1274
RMS 0.4381
χ² / ndf 9.029 / 16
Constant 18.81 ± 1.82
Mean 0.003246 ± 0.011751
Sigma 0.1468 ± 0.0095

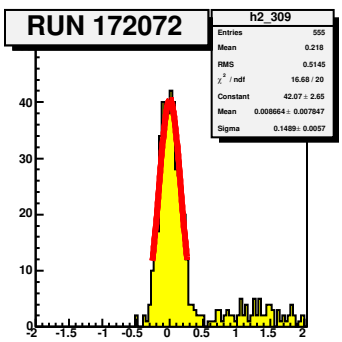

RUN 172022
h2_304
Entries 142
Mean 0.2928
RMS 0.587
χ² / ndf 9.989 / 12
Constant 11.65 ± 1.57
Mean -0.005949 ± 0.013757
Sigma 0.1179 ± 0.0107

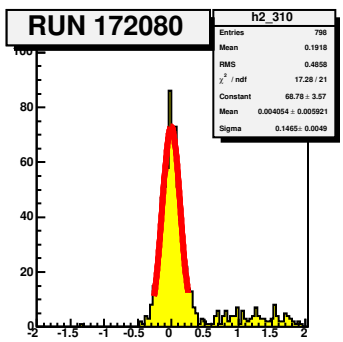

RUN 172024
h2_305
Entries 481
Mean 0.133
RMS 0.4321
χ² / ndf 22.63 / 20
Constant 39.08 ± 2.78
Mean -0.003636 ± 0.008022
Sigma 0.1472 ± 0.0074

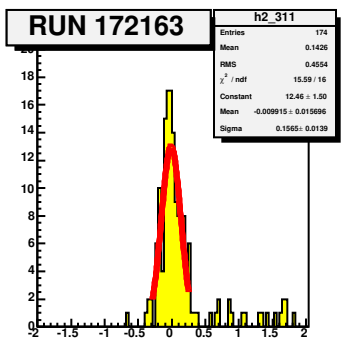

RUN 172026
h2_306
Entries 853
Mean 0.1941
RMS 0.498
χ² / ndf 25.24 / 22
Constant 67.24 ± 3.50
Mean 0.0006467 ± 0.0060343
Sigma 0.1504 ± 0.0051

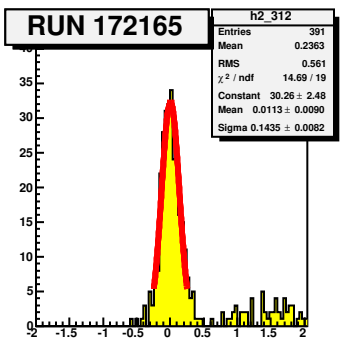

RUN 172030
h2_307
Entries 1224
Mean 0.1878
RMS 0.4818
χ² / ndf 17.8 / 21
Constant 112.7 ± 4.5
Mean 0.005502 ± 0.004533
Sigma 0.1412 ± 0.0034

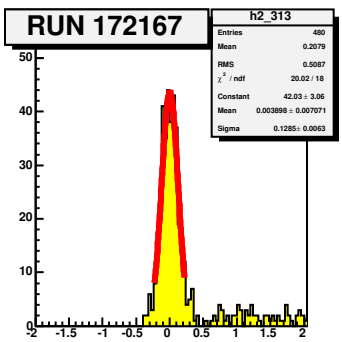

RUN 172070
h2_308
Entries 281
Mean 0.1798
RMS 0.5123
χ² / ndf 17.81 / 18
Constant 23.76 ± 2.30
Mean -0.004625 ± 0.009593
Sigma 0.1317 ± 0.0089

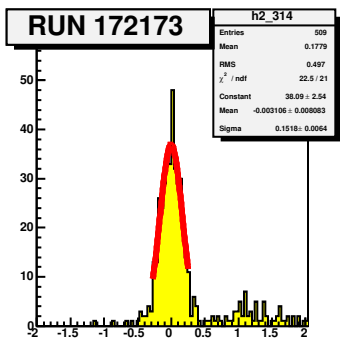

RUN 172072
h2_309
Entries 555
Mean 0.218
RMS 0.5145
χ² / ndf 16.68 / 20
Constant 42.07 ± 2.65
Mean 0.008664 ± 0.007847
Sigma 0.1489 ± 0.0057

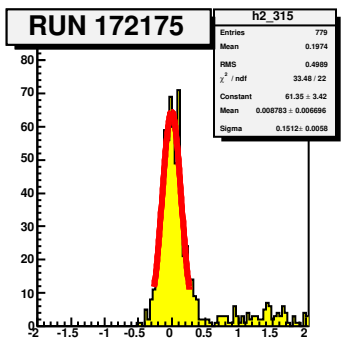

RUN 172080
h2_310
Entries 798
Mean 0.1918
RMS 0.4858
χ² / ndf 17.28 / 21
Constant 68.78 ± 3.57
Mean 0.004054 ± 0.005921
Sigma 0.1465 ± 0.0049

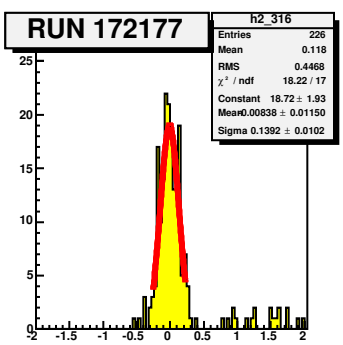

RUN 172163
h2_311
Entries 174
Mean 0.1426
RMS 0.4554
χ² / ndf 15.59 / 16
Constant 12.46 ± 1.50
Mean -0.009915 ± 0.015696
Sigma 0.1565 ± 0.0139

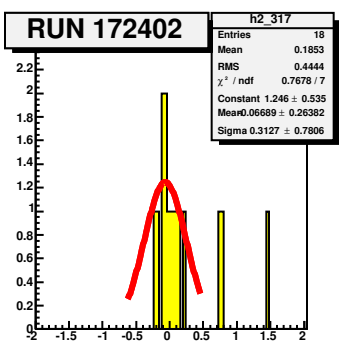

RUN 172165
h2_312
Entries 391
Mean 0.2363
RMS 0.561
χ² / ndf 14.69 / 19
Constant 30.26 ± 2.48
Mean 0.0113 ± 0.0090
Sigma 0.1435 ± 0.0082

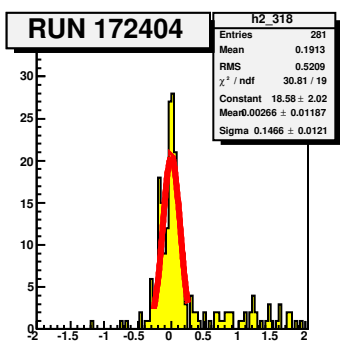

RUN 172167
h2_313
Entries 480
Mean 0.2079
RMS 0.5087
χ² / ndf 20.02 / 18
Constant 42.03 ± 3.06
Mean 0.003898 ± 0.007071
Sigma 0.1285 ± 0.0063

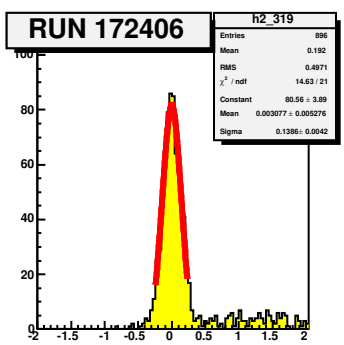

RUN 172173
h2_314
Entries 509
Mean 0.1779
RMS 0.497
χ² / ndf 22.5 / 21
Constant 38.09 ± 2.54
Mean -0.003106 ± 0.008083
Sigma 0.1518 ± 0.0064

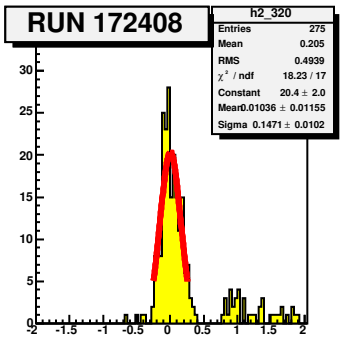

RUN 172175
h2_315
Entries 779
Mean 0.1974
RMS 0.4989
χ² / ndf 33.48 / 22
Constant 61.35 ± 3.42
Mean 0.008783 ± 0.006696
Sigma 0.1512 ± 0.0058

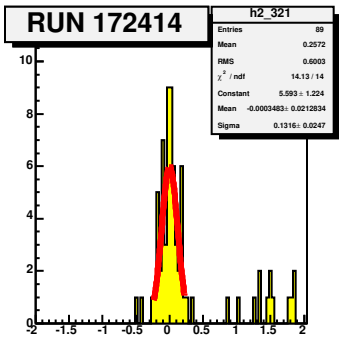

RUN 172177
h2_316
Entries 226
Mean 0.118
RMS 0.4468
χ² / ndf 18.22 / 17
Constant 18.72 ± 1.93
Mean 0.00838 ± 0.01150
Sigma 0.1392 ± 0.0102

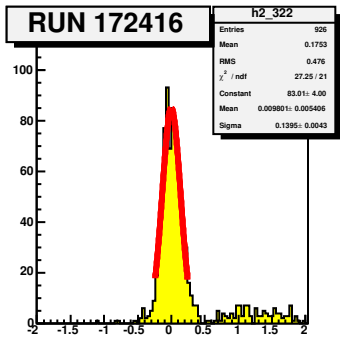

RUN 172402
h2_317
Entries 18
Mean 0.1853
RMS 0.4444
χ² / ndf 0.7678 / 7
Constant 1.246 ± 0.535
Mean 0.06689 ± 0.26382
Sigma 0.3127 ± 0.7806

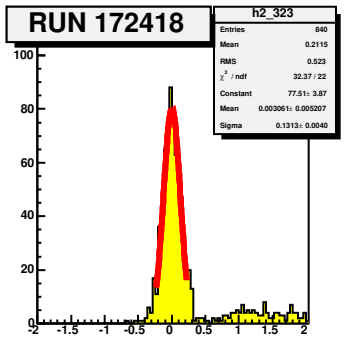

RUN 172404
h2_318
Entries 281
Mean 0.1913
RMS 0.5209
χ² / ndf 30.81 / 19
Constant 18.58 ± 2.02
Mean 0.00266 ± 0.01187
Sigma 0.1466 ± 0.0121

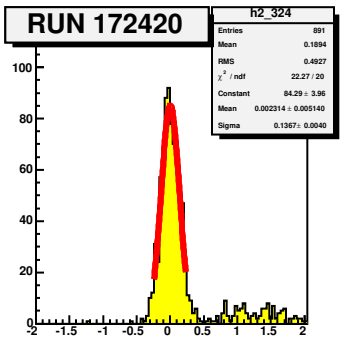

RUN 172406
h2_319
Entries 896
Mean 0.192
RMS 0.4971
χ² / ndf 14.63 / 21
Constant 80.56 ± 3.89
Mean 0.003077 ± 0.005276
Sigma 0.1386 ± 0.0042

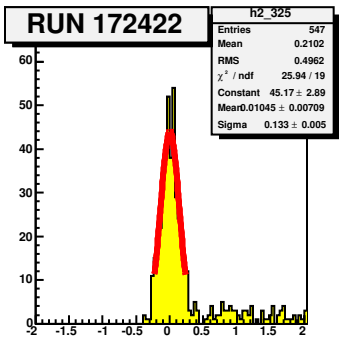

RUN 172408
h2_320
Entries 275
Mean 0.205
RMS 0.4939
χ² / ndf 18.23 / 17
Constant 20.4 ± 2.0
Mean 0.01036 ± 0.01155
Sigma 0.1471 ± 0.0102

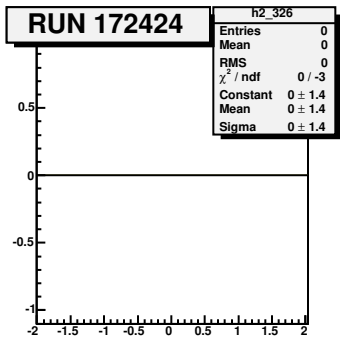

RUN 172414
h2_321
Entries 89
Mean 0.2572
RMS 0.6003
χ² / ndf 14.13 / 14
Constant 5.593 ± 1.224
Mean -0.0003483 ± 0.0212834
Sigma 0.1316 ± 0.0247

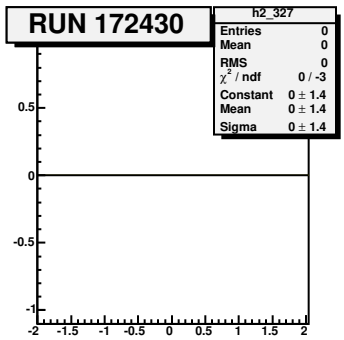

RUN 172416
h2_322
Entries 926
Mean 0.1753
RMS 0.476
χ² / ndf 27.25 / 21
Constant 83.01 ± 4.00
Mean 0.009801 ± 0.005406
Sigma 0.1395 ± 0.0043

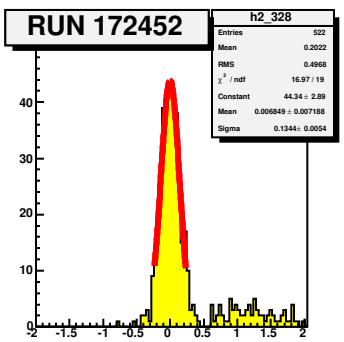

RUN 172418
h2_323
Entries 840
Mean 0.2115
RMS 0.523
χ² / ndf 32.37 / 22
Constant 77.51 ± 3.87
Mean 0.003061 ± 0.005207
Sigma 0.1313 ± 0.0040

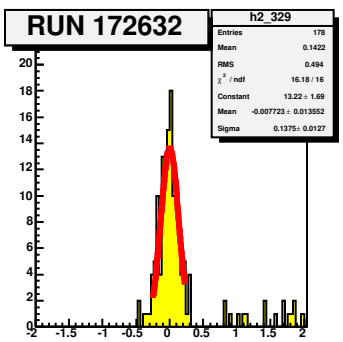

RUN 172420
h2_324
Entries 891
Mean 0.1694
RMS 0.4927
χ² / ndf 22.27 / 20
Constant 84.29 ± 3.96
Mean 0.002314 ± 0.005140
Sigma 0.1367 ± 0.0040

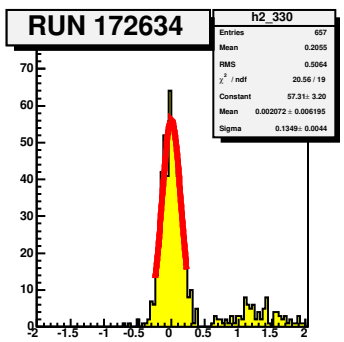

RUN 172422
h2_325
Entries 547
Mean 0.2102
RMS 0.4962
χ² / ndf 25.94 / 19
Constant 45.17 ± 2.89
Mean 0.01045 ± 0.00709
Sigma 0.133 ± 0.005

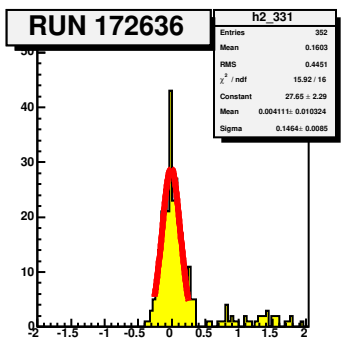

RUN 172424
h2_326
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

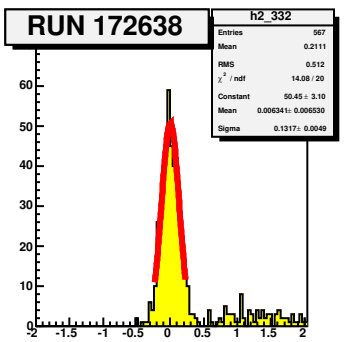

RUN 172430
h2_327
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

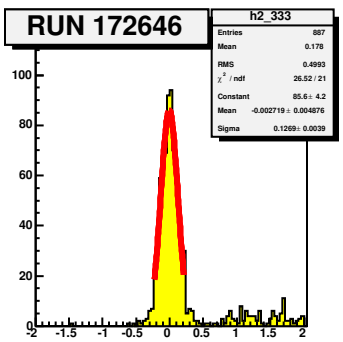

RUN 172452
h2_328
Entries 522
Mean 0.2022
RMS 0.4968
χ² / ndf 16.97 / 19
Constant 44.34 ± 2.89
Mean 0.006849 ± 0.007188
Sigma 0.1344 ± 0.0054

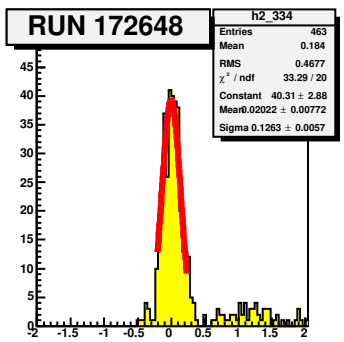

RUN 172632
h2_329
Entries 178
Mean 0.1422
RMS 0.494
χ² / ndf 16.18 / 16
Constant 13.22 ± 1.69
Mean -0.007723 ± 0.013552
Sigma 0.1375 ± 0.0127

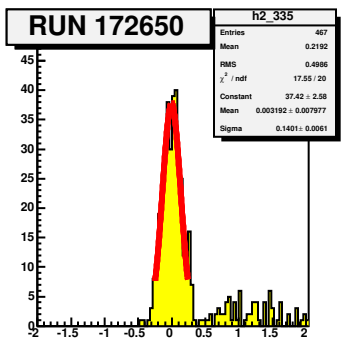

RUN 172634
h2_330
Entries 657
Mean 0.2055
RMS 0.5064
χ² / ndf 20.56 / 19
Constant 57.31 ± 3.20
Mean 0.002072 ± 0.006195
Sigma 0.1349 ± 0.0044

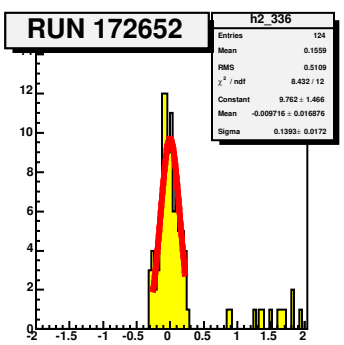

RUN 172636
h2_331
Entries 352
Mean 0.1603
RMS 0.4451
χ² / ndf 15.92 / 16
Constant 27.65 ± 2.29
Mean 0.004111 ± 0.010324
Sigma 0.1464 ± 0.0085

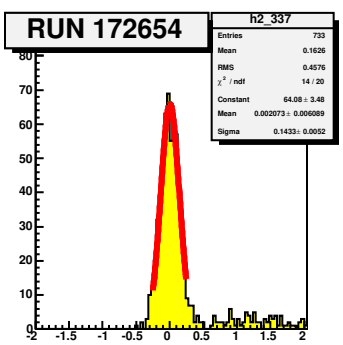

RUN 172638
h2_332
Entries 567
Mean 0.2111
RMS 0.512
χ² / ndf 14.08 / 20
Constant 50.45 ± 3.10
Mean 0.006341 ± 0.006530
Sigma 0.1317 ± 0.0049

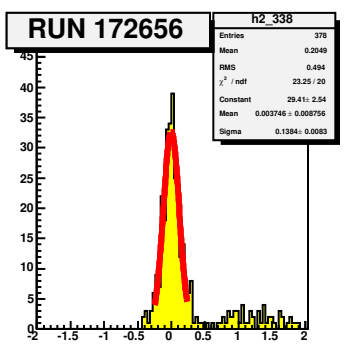

RUN 172646
h2_333
Entries 887
Mean 0.178
RMS 0.4993
χ² / ndf 26.52 / 21
Constant 85.6 ± 4.2
Mean -0.002719 ± 0.004876
Sigma 0.1269 ± 0.0039

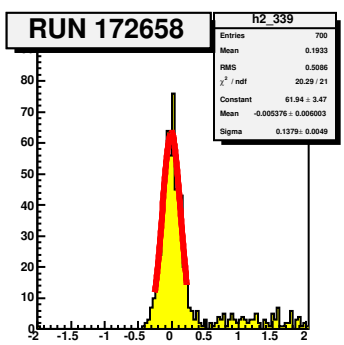

RUN 172648
h2_334
Entries 463
Mean 0.184
RMS 0.4677
χ² / ndf 33.29 / 20
Constant 40.31 ± 2.88
Mean 0.02022 ± 0.00772
Sigma 0.1263 ± 0.0057

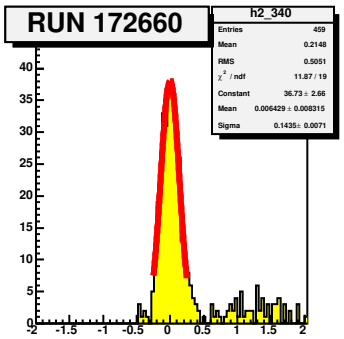

RUN 172650
h2_335
Entries 467
Mean 0.2192
RMS 0.4986
χ² / ndf 17.55 / 20
Constant 37.42 ± 2.58
Mean 0.003192 ± 0.007977
Sigma 0.1401 ± 0.0061

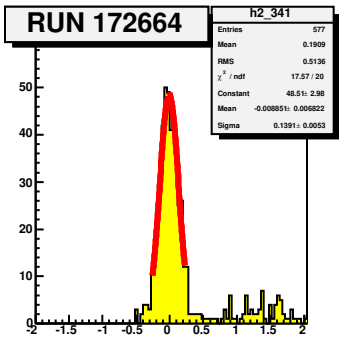

RUN 172652
h2_336
Entries 124
Mean 0.1559
RMS 0.5109
χ² / ndf 8.432 / 12
Constant 9.762 ± 1.466
Mean -0.009716 ± 0.016876
Sigma 0.1393 ± 0.0172

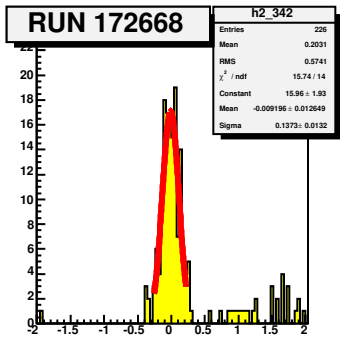

RUN 172654
h2_337
Entries 733
Mean 0.1626
RMS 0.4576
χ² / ndf 14 / 20
Constant 64.08 ± 3.48
Mean 0.002073 ± 0.006089
Sigma 0.1433 ± 0.0052

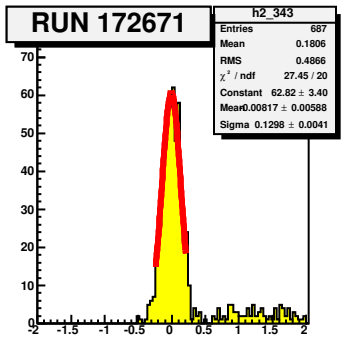

RUN 172656
h2_338
Entries 378
Mean 0.2049
RMS 0.494
χ² / ndf 23.25 / 20
Constant 29.41 ± 2.54
Mean 0.003746 ± 0.008756
Sigma 0.1384 ± 0.0083

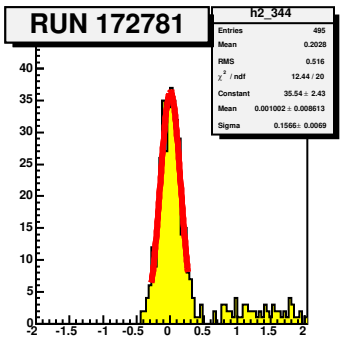

RUN 172658
h2_339
Entries 700
Mean 0.1933
RMS 0.5086
χ² / ndf 20.29 / 21
Constant 61.94 ± 3.47
Mean -0.005376 ± 0.006003
Sigma 0.1379 ± 0.0049

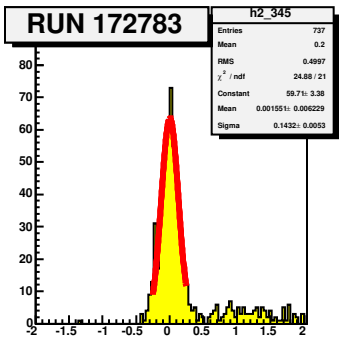

RUN 172660
h2_340
Entries 459
Mean 0.2146
RMS 0.5051
χ² / ndf 11.87 / 19
Constant 36.73 ± 2.66
Mean 0.006429 ± 0.008315
Sigma 0.1435 ± 0.0071

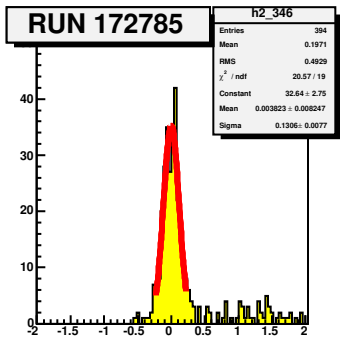

RUN 172664
h2_341
Entries 577
Mean 0.1909
RMS 0.5136
χ² / ndf 17.57 / 20
Constant 48.51 ± 2.98
Mean -0.008851 ± 0.006822
Sigma 0.1391 ± 0.0053

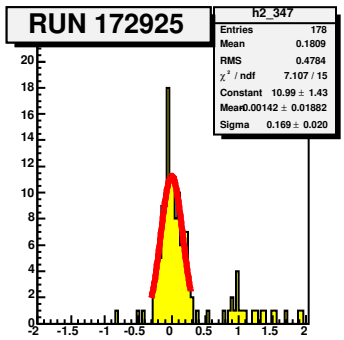

RUN 172668
h2_342
Entries 226
Mean 0.2031
RMS 0.5741
χ² / ndf 15.74 / 14
Constant 15.96 ± 1.93
Mean -0.009196 ± 0.012649
Sigma 0.1373 ± 0.0132

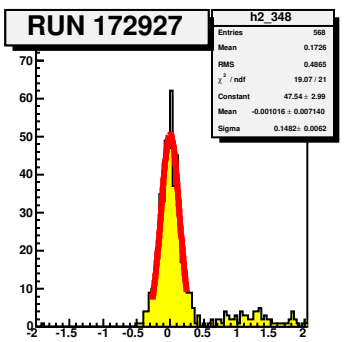

RUN 172671
h2_343
Entries 687
Mean 0.1806
RMS 0.4866
χ² / ndf 27.45 / 20
Constant 62.82 ± 3.40
Mean 0.00817 ± 0.00588
Sigma 0.1298 ± 0.0041

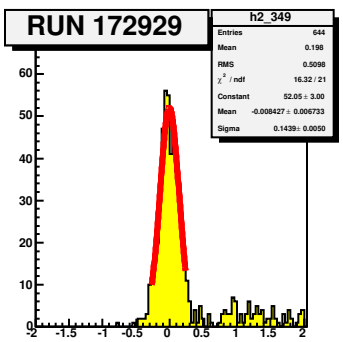

RUN 172781
h2_344
Entries 495
Mean 0.2028
RMS 0.516
χ² / ndf 12.44 / 20
Constant 35.54 ± 2.43
Mean 0.001002 ± 0.008613
Sigma 0.1566 ± 0.0069

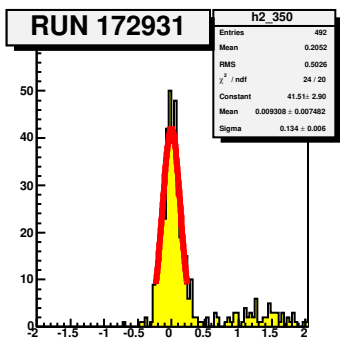

RUN 172783
h2_345
Entries 737
Mean 0.2
RMS 0.4997
χ² / ndf 24.88 / 21
Constant 59.71 ± 3.38
Mean 0.001551 ± 0.006229
Sigma 0.1432 ± 0.0053

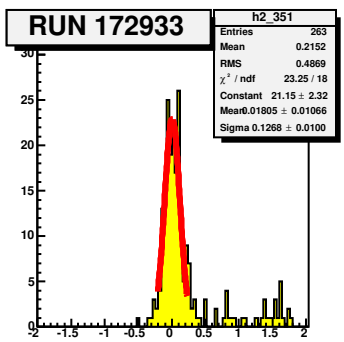

RUN 172785
h2_346
Entries 394
Mean 0.1971
RMS 0.4929
χ² / ndf 20.57 / 19
Constant 32.64 ± 2.75
Mean 0.003823 ± 0.008247
Sigma 0.1306 ± 0.0077

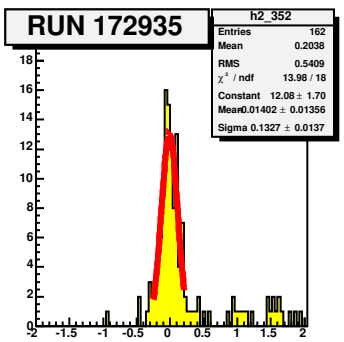

RUN 172925
h2_347
Entries 178
Mean 0.1809
RMS 0.4784
χ² / ndf 7.107 / 15
Constant 10.99 ± 1.43
Mean 0.00142 ± 0.01882
Sigma 0.169 ± 0.020

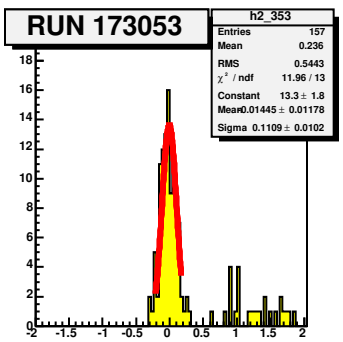

RUN 172927
h2_348
Entries 568
Mean 0.1726
RMS 0.4865
χ² / ndf 19.07 / 21
Constant 47.54 ± 2.99
Mean -0.001016 ± 0.007140
Sigma 0.1482 ± 0.0062

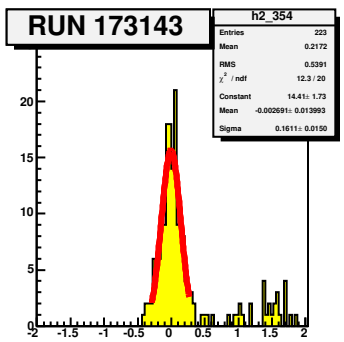

RUN 172929
h2_349
Entries 644
Mean 0.198
RMS 0.5098
χ² / ndf 16.32 / 21
Constant 52.05 ± 3.00
Mean -0.008427 ± 0.006733
Sigma 0.1439 ± 0.0050

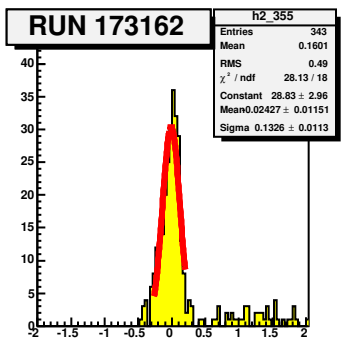

RUN 172931
h2_350
Entries 492
Mean 0.2052
RMS 0.5026
χ² / ndf 24 / 20
Constant 41.51 ± 2.90
Mean 0.009308 ± 0.007482
Sigma 0.134 ± 0.006

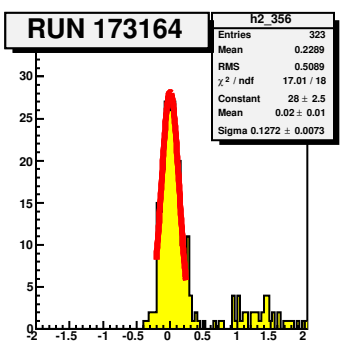

RUN 172933
h2_351
Entries 263
Mean 0.2152
RMS 0.4869
χ² / ndf 23.25 / 18
Constant 21.15 ± 2.32
Mean 0.01805 ± 0.01066
Sigma 0.1268 ± 0.0100

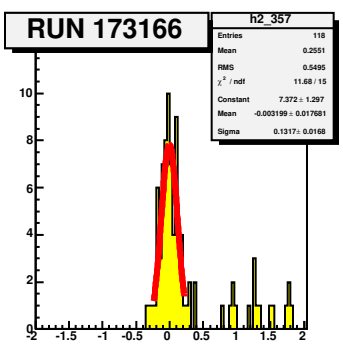

RUN 172935
h2_352
Entries 162
Mean 0.2038
RMS 0.5409
χ² / ndf 13.98 / 18
Constant 12.08 ± 1.70
Mean 0.01402 ± 0.01356
Sigma 0.1327 ± 0.0137

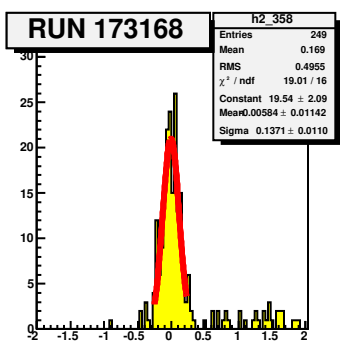

RUN 173053
h2_353
Entries 157
Mean 0.236
RMS 0.5443
χ² / ndf 11.96 / 13
Constant 13.3 ± 1.8
Mean 0.01445 ± 0.01178
Sigma 0.1109 ± 0.0102

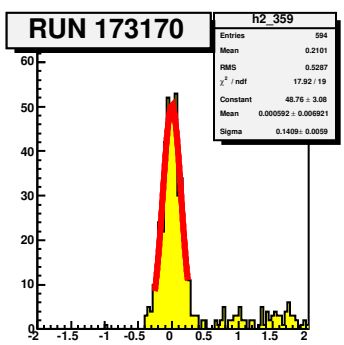

RUN 173143
h2_354
Entries 223
Mean 0.2172
RMS 0.5391
χ² / ndf 12.3 / 20
Constant 14.41 ± 1.73
Mean -0.002691 ± 0.013993
Sigma 0.1611 ± 0.0150

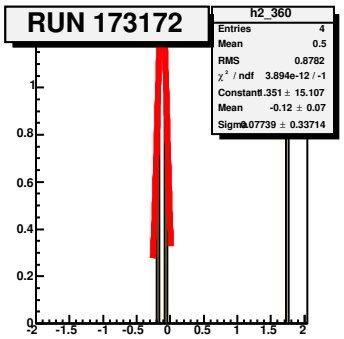

RUN 173162
h2_355
Entries 343
Mean 0.1601
RMS 0.49
χ² / ndf 28.13 / 18
Constant 28.83 ± 2.96
Mean 0.02427 ± 0.01151
Sigma 0.1326 ± 0.0113

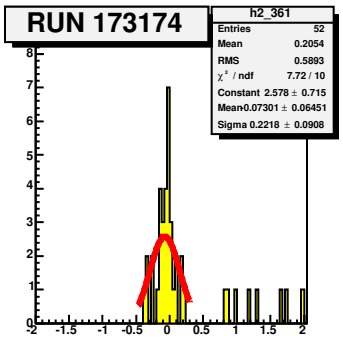

RUN 173164
h2_356
Entries 323
Mean 0.2289
RMS 0.5089
χ² / ndf 17.01 / 18
Constant 28 ± 2.5
Mean 0.02 ± 0.01
Sigma 0.1272 ± 0.0073

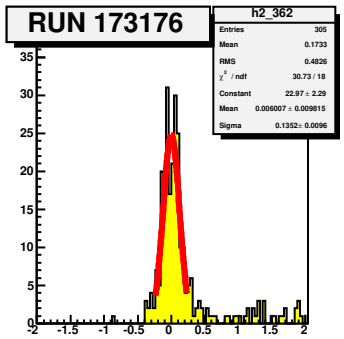

RUN 173166
h2_357
Entries 118
Mean 0.2551
RMS 0.5495
χ² / ndf 11.68 / 15
Constant 7.372 ± 1.297
Mean -0.003199 ± 0.017681
Sigma 0.1317 ± 0.0168

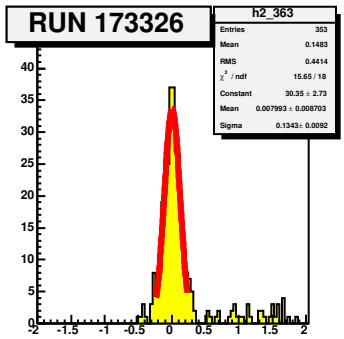

RUN 173168
h2_358
Entries 249
Mean 0.169
RMS 0.4955
χ² / ndf 19.01 / 16
Constant 19.54 ± 2.09
Mean 0.00584 ± 0.01142
Sigma 0.1371 ± 0.0110

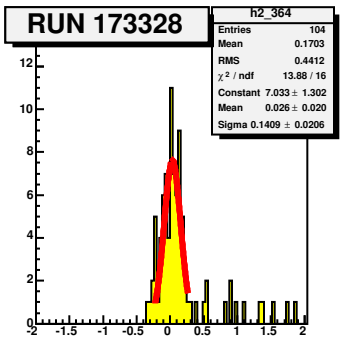

RUN 173170
h2_359
Entries 594
Mean 0.2101
RMS 0.5287
χ² / ndf 17.92 / 19
Constant 48.76 ± 3.08
Mean 0.000592 ± 0.006921
Sigma 0.1409 ± 0.0059

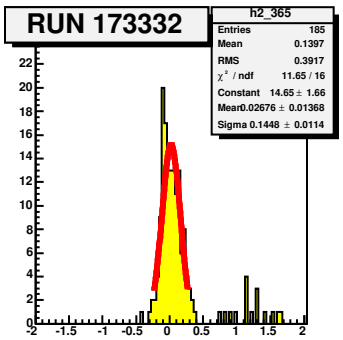

RUN 173172
h2_360
Entries 4
Mean 0.5
RMS 0.8782
χ² / ndf 3.894e-12 / -1
Constant 1.351 ± 15.107
Mean -0.12 ± 0.07
Sigma 0.07739 ± 0.33714

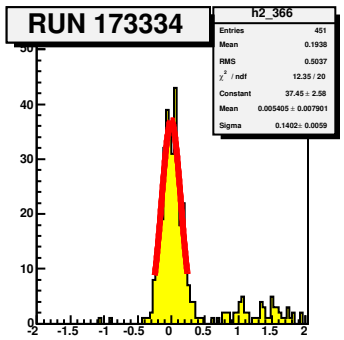

RUN 173174
h2_361
Entries 52
Mean 0.2054
RMS 0.5893
χ² / ndf 7.72 / 10
Constant 2.578 ± 0.715
Mean 0.07301 ± 0.06451
Sigma 0.2218 ± 0.0908

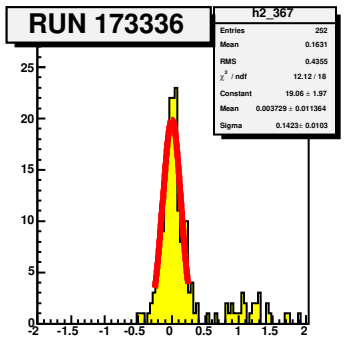

RUN 173176
h2_362
Entries 305
Mean 0.1733
RMS 0.4826
χ² / ndf 30.73 / 18
Constant 22.97 ± 2.29
Mean 0.006007 ± 0.009815
Sigma 0.1352 ± 0.0096

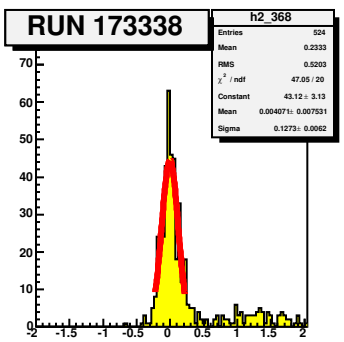

RUN 173326
h2_363
Entries 353
Mean 0.1483
RMS 0.4414
χ² / ndf 15.65 / 18
Constant 30.35 ± 2.73
Mean 0.007993 ± 0.008703
Sigma 0.1343 ± 0.0092

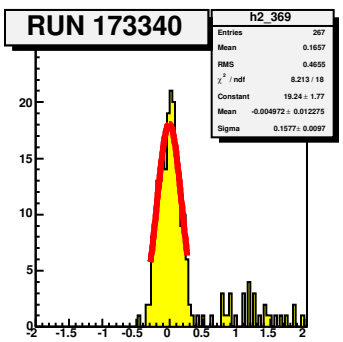

RUN 173328
h2_364
Entries 104
Mean 0.1703
RMS 0.4412
χ² / ndf 13.88 / 16
Constant 7.033 ± 1.302
Mean 0.026 ± 0.020
Sigma 0.1409 ± 0.0206

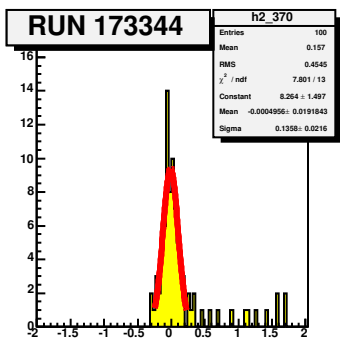

RUN 173332
h2_365
Entries 185
Mean 0.1397
RMS 0.3917
χ² / ndf 11.65 / 16
Constant 14.65 ± 1.66
Mean 0.02676 ± 0.01368
Sigma 0.1448 ± 0.0114

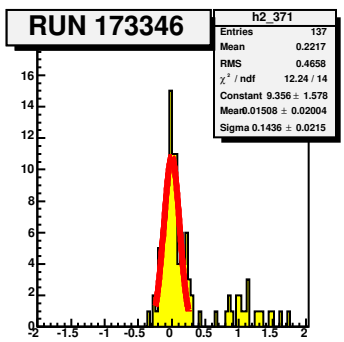

RUN 173334
h2_366
Entries 451
Mean 0.1938
RMS 0.5037
χ² / ndf 12.35 / 20
Constant 37.45 ± 2.58
Mean 0.005405 ± 0.007901
Sigma 0.1402 ± 0.0059

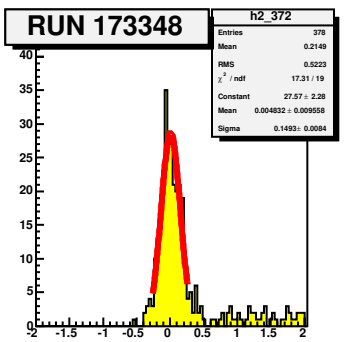

RUN 173336
h2_367
Entries 252
Mean 0.1631
RMS 0.4355
χ² / ndf 12.12 / 18
Constant 19.06 ± 1.97
Mean 0.003729 ± 0.011364
Sigma 0.1423 ± 0.0103

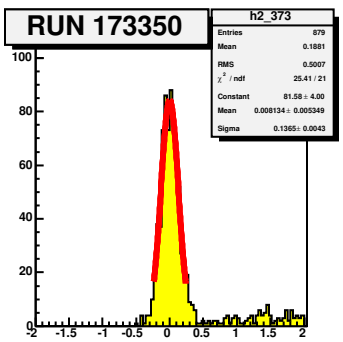

RUN 173338
h2_368
Entries 524
Mean 0.2333
RMS 0.5203
χ² / ndf 47.05 / 20
Constant 43.12 ± 3.13
Mean 0.004071 ± 0.007531
Sigma 0.1273 ± 0.0062

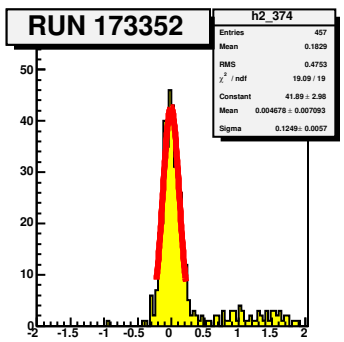

RUN 173340
h2_369
Entries 267
Mean 0.1657
RMS 0.4655
χ² / ndf 8.213 / 18
Constant 19.24 ± 1.77
Mean -0.004972 ± 0.012275
Sigma 0.1577 ± 0.0097

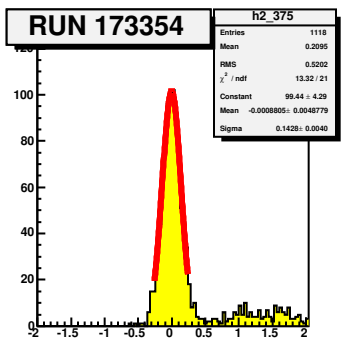

RUN 173344
h2_370
Entries 100
Mean 0.157
RMS 0.4545
χ² / ndf 7.801 / 13
Constant 8.264 ± 1.497
Mean -0.0004956 ± 0.0191843
Sigma 0.1358 ± 0.0216

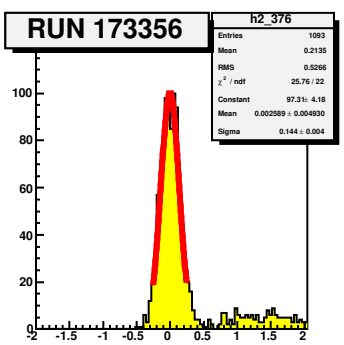

RUN 173346
h2_371
Entries 137
Mean 0.2217
RMS 0.4658
χ² / ndf 12.24 / 14
Constant 9.356 ± 1.578
Mean 0.01508 ± 0.02004
Sigma 0.1436 ± 0.0215

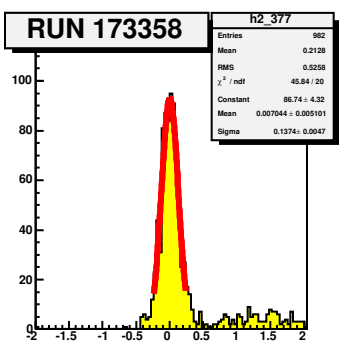

RUN 173348
h2_372
Entries 378
Mean 0.2149
RMS 0.5223
χ² / ndf 17.31 / 19
Constant 27.57 ± 2.28
Mean 0.004832 ± 0.009558
Sigma 0.1493 ± 0.0084

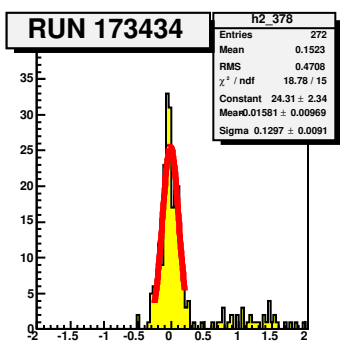

RUN 173350
h2_373
Entries 879
Mean 0.1881
RMS 0.5007
χ² / ndf 25.41 / 21
Constant 81.58 ± 4.00
Mean 0.008134 ± 0.005349
Sigma 0.1365 ± 0.0043

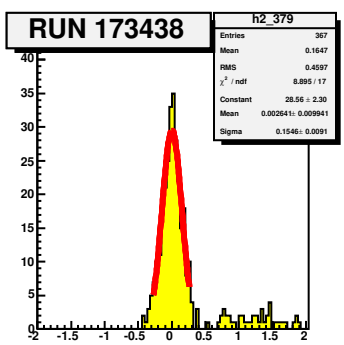

RUN 173352
h2_374
Entries 457
Mean 0.1829
RMS 0.4753
χ² / ndf 19.09 / 19
Constant 41.89 ± 2.98
Mean 0.004678 ± 0.007093
Sigma 0.1249 ± 0.0057

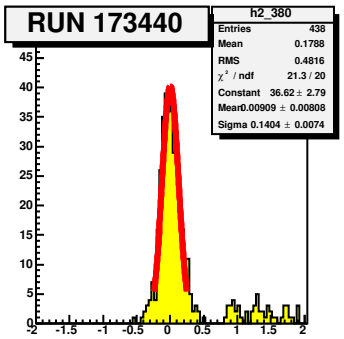

RUN 173354
h2_375
Entries 1118
Mean 0.2095
RMS 0.5202
χ² / ndf 13.32 / 21
Constant 99.44 ± 4.29
Mean -0.0008805 ± 0.0048779
Sigma 0.1428 ± 0.0040

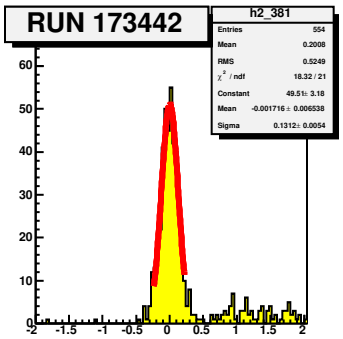

RUN 173356
h2_376
Entries 1093
Mean 0.2135
RMS 0.5266
χ² / ndf 25.76 / 22
Constant 97.31 ± 4.18
Mean 0.002589 ± 0.004930
Sigma 0.144 ± 0.004

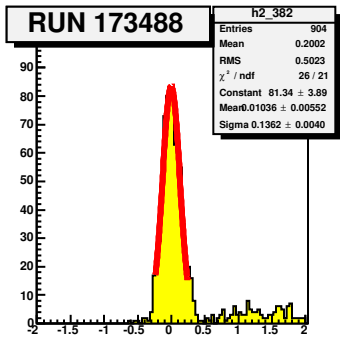

RUN 173358
h2_377
Entries 982
Mean 0.2128
RMS 0.5258
χ² / ndf 45.84 / 20
Constant 86.74 ± 4.32
Mean 0.007044 ± 0.005101
Sigma 0.1374 ± 0.0047

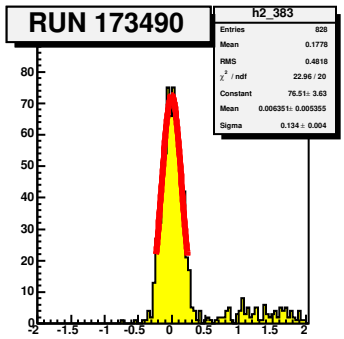

RUN 173434
h2_378
Entries 272
Mean 0.1523
RMS 0.4708
χ² / ndf 18.78 / 15
Constant 24.31 ± 2.34
Mean 0.01581 ± 0.00969
Sigma 0.1297 ± 0.0091

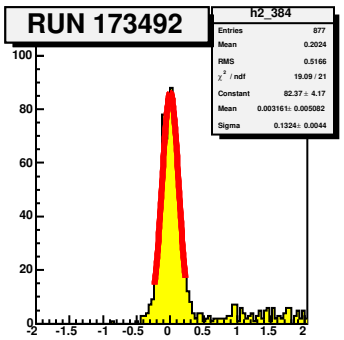

RUN 173438
h2_379
Entries 367
Mean 0.1647
RMS 0.4597
χ² / ndf 8.895 / 17
Constant 28.56 ± 2.30
Mean 0.002641 ± 0.009941
Sigma 0.1546 ± 0.0091

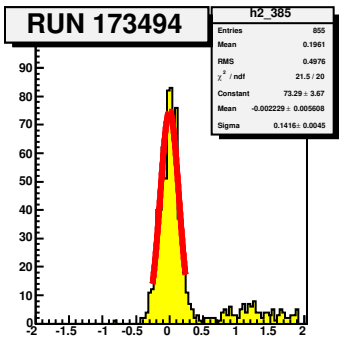

RUN 173440
h2_380
Entries 438
Mean 0.1788
RMS 0.4816
χ² / ndf 21.3 / 20
Constant 36.62 ± 2.79
Mean 0.00909 ± 0.00808
Sigma 0.1404 ± 0.0074

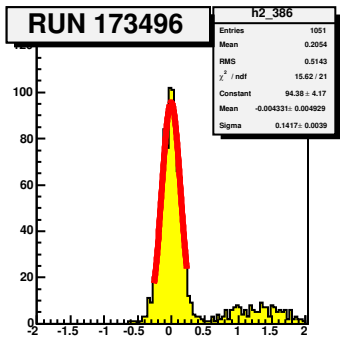

RUN 173442
h2_381
Entries 554
Mean 0.2008
RMS 0.5249
χ² / ndf 18.32 / 21
Constant 49.51 ± 3.18
Mean -0.001716 ± 0.006538
Sigma 0.1312 ± 0.0054

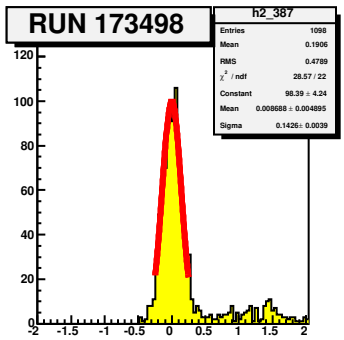

RUN 173488
h2_382
Entries 904
Mean 0.2002
RMS 0.5023
χ² / ndf 26 / 21
Constant 81.34 ± 3.89
Mean 0.01036 ± 0.00552
Sigma 0.1362 ± 0.0040

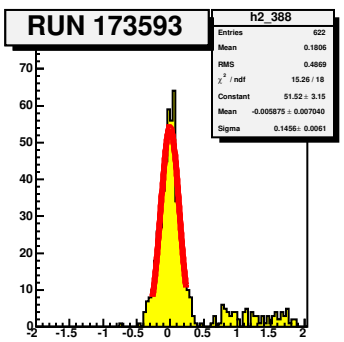

RUN 173490
h2_383
Entries 828
Mean 0.1778
RMS 0.4818
χ² / ndf 22.96 / 20
Constant 76.51 ± 3.63
Mean 0.006351 ± 0.005355
Sigma 0.134 ± 0.004

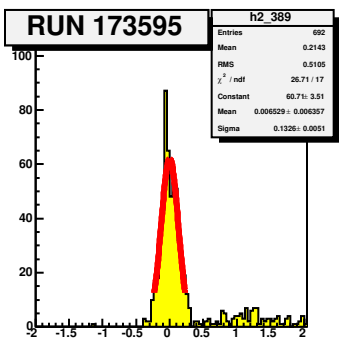

RUN 173492
h2_384
Entries 877
Mean 0.2024
RMS 0.5166
χ² / ndf 19.09 / 21
Constant 82.37 ± 4.17
Mean 0.003161 ± 0.005082
Sigma 0.1324 ± 0.0044

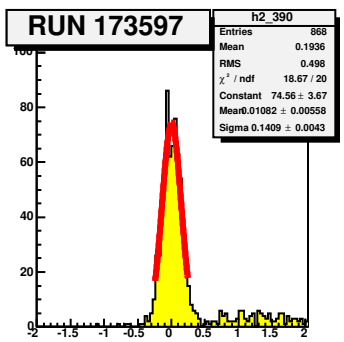

RUN 173494
h2_385
Entries 855
Mean 0.1961
RMS 0.4976
χ² / ndf 21.5 / 20
Constant 73.29 ± 3.67
Mean -0.002229 ± 0.005608
Sigma 0.1416 ± 0.0045

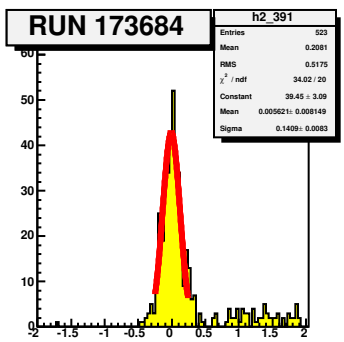

RUN 173496
h2_386
Entries 1051
Mean 0.2054
RMS 0.5143
χ² / ndf 15.62 / 21
Constant 94.38 ± 4.17
Mean -0.004331 ± 0.004929
Sigma 0.1417 ± 0.0039

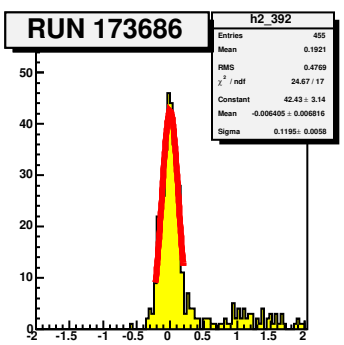

RUN 173498
h2_387
Entries 1098
Mean 0.1906
RMS 0.4789
χ² / ndf 28.57 / 22
Constant 98.39 ± 4.24
Mean 0.008688 ± 0.004895
Sigma 0.1426 ± 0.0039

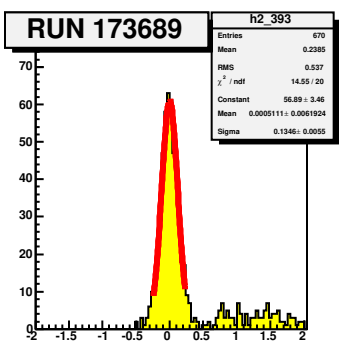

RUN 173593
h2_388
Entries 622
Mean 0.1806
RMS 0.4869
χ² / ndf 15.26 / 18
Constant 51.52 ± 3.15
Mean -0.005875 ± 0.007040
Sigma 0.1456 ± 0.0061

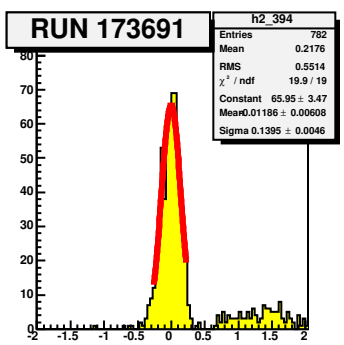

RUN 173595
h2_389
Entries 692
Mean 0.2143
RMS 0.5105
χ² / ndf 26.71 / 17
Constant 60.71 ± 3.51
Mean 0.006529 ± 0.006357
Sigma 0.1326 ± 0.0051

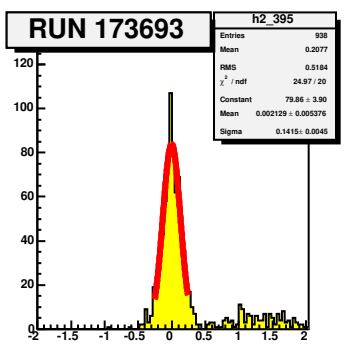

RUN 173597
h2_390
Entries 868
Mean 0.1936
RMS 0.498
χ² / ndf 18.67 / 20
Constant 74.56 ± 3.67
Mean 0.01082 ± 0.00558
Sigma 0.1409 ± 0.0043

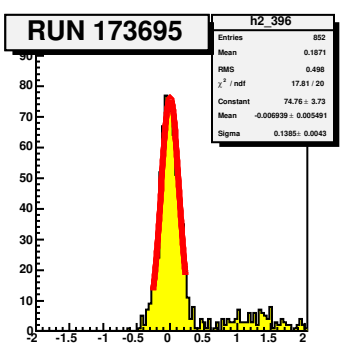

RUN 173684
h2_391
Entries 523
Mean 0.2081
RMS 0.5175
χ² / ndf 34.02 / 20
Constant 39.45 ± 3.09
Mean 0.005621 ± 0.008149
Sigma 0.1409 ± 0.0083

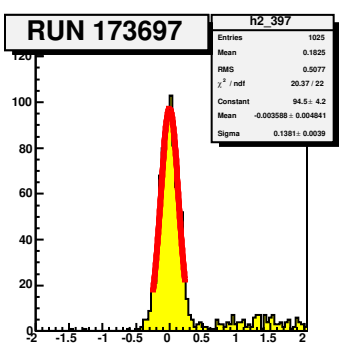

RUN 173686
h2_392
Entries 455
Mean 0.1921
RMS 0.4769
χ² / ndf 24.67 / 17
Constant 42.43 ± 3.14
Mean -0.006405 ± 0.006816
Sigma 0.1195 ± 0.0058

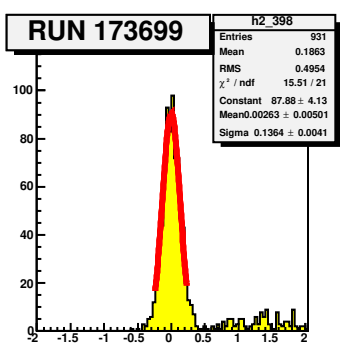

RUN 173689
h2_393
Entries 670
Mean 0.2385
RMS 0.537
χ² / ndf 14.55 / 20
Constant 56.89 ± 3.46
Mean 0.0005111 ± 0.0061924
Sigma 0.1346 ± 0.0055

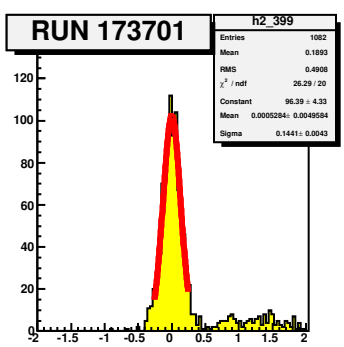

RUN 173691
h2_394
Entries 782
Mean 0.2176
RMS 0.5514
χ² / ndf 19.9 / 19
Constant 65.95 ± 3.47
Mean 0.01186 ± 0.00608
Sigma 0.1395 ± 0.0046

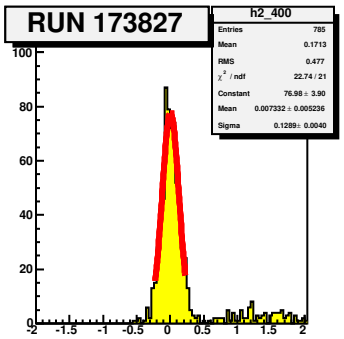

RUN 173693
h2_395
Entries 938
Mean 0.2077
RMS 0.5184
χ² / ndf 24.97 / 20
Constant 79.86 ± 3.90
Mean 0.002129 ± 0.005376
Sigma 0.1415 ± 0.0045

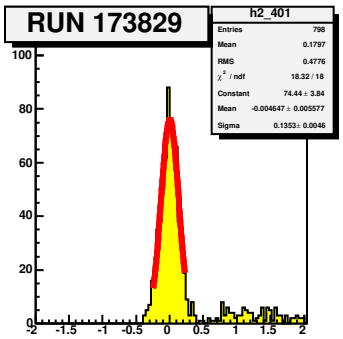

RUN 173695
h2_396
Entries 852
Mean 0.1871
RMS 0.498
χ² / ndf 17.81 / 20
Constant 74.76 ± 3.73
Mean -0.006939 ± 0.005491
Sigma 0.1385 ± 0.0043

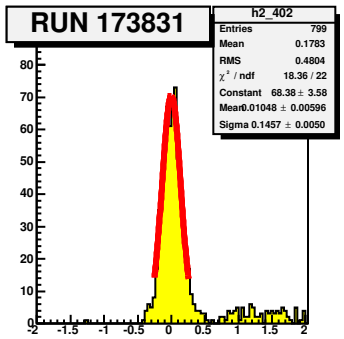

RUN 173697
h2_397
Entries 1025
Mean 0.1825
RMS 0.5077
χ² / ndf 20.37 / 22
Constant 94.5 ± 4.2
Mean -0.003588 ± 0.004841
Sigma 0.1381 ± 0.0039

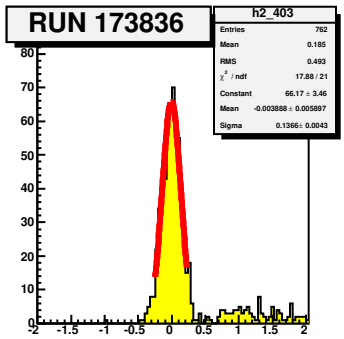

RUN 173699
h2_398
Entries 931
Mean 0.1863
RMS 0.4954
χ² / ndf 15.51 / 21
Constant 87.88 ± 4.13
Mean 0.00263 ± 0.00501
Sigma 0.1364 ± 0.0041

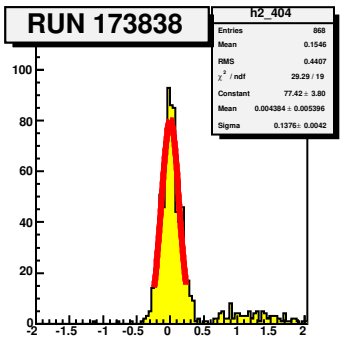

RUN 173701
h2_399
Entries 1082
Mean 0.1893
RMS 0.4908
χ² / ndf 26.29 / 20
Constant 96.39 ± 4.33
Mean 0.0005284 ± 0.0049584
Sigma 0.1441 ± 0.0043

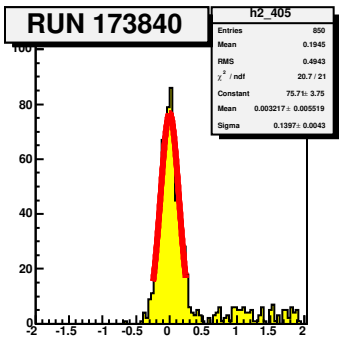

RUN 173827
h2_400
Entries 785
Mean 0.1713
RMS 0.477
χ² / ndf 22.74 / 21
Constant 76.98 ± 3.90
Mean 0.007332 ± 0.005236
Sigma 0.1289 ± 0.0040

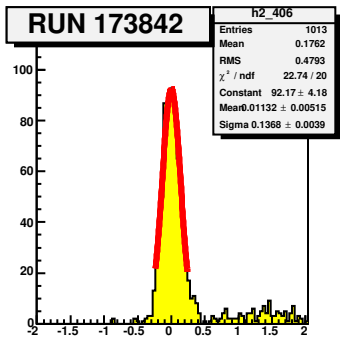

RUN 173829
h2_401
Entries 798
Mean 0.1797
RMS 0.4776
χ² / ndf 18.32 / 18
Constant 74.44 ± 3.84
Mean -0.004647 ± 0.005577
Sigma 0.1353 ± 0.0046

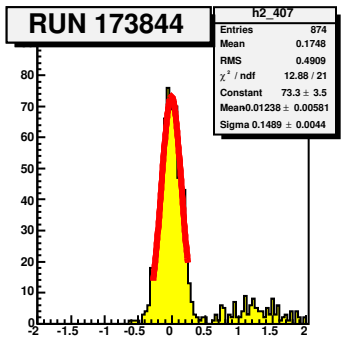

RUN 173831
h2_402
Entries 799
Mean 0.1783
RMS 0.4804
χ² / ndf 18.36 / 22
Constant 68.38 ± 3.58
Mean 0.01048 ± 0.00596
Sigma 0.1457 ± 0.0050

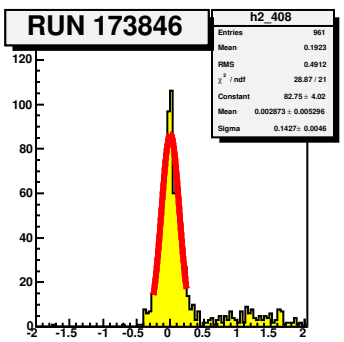

RUN 173836
h2_403
Entries 762
Mean 0.185
RMS 0.493
χ² / ndf 17.88 / 21
Constant 66.17 ± 3.46
Mean -0.003888 ± 0.005897
Sigma 0.1366 ± 0.0043

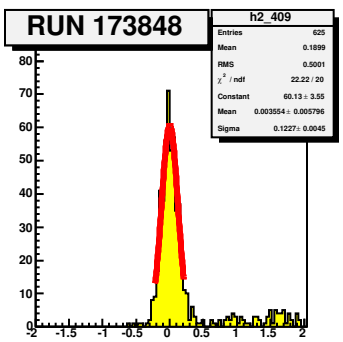

RUN 173838
h2_404
Entries 868
Mean 0.1546
RMS 0.4407
χ² / ndf 29.29 / 19
Constant 77.42 ± 3.80
Mean 0.004384 ± 0.005396
Sigma 0.1376 ± 0.0042

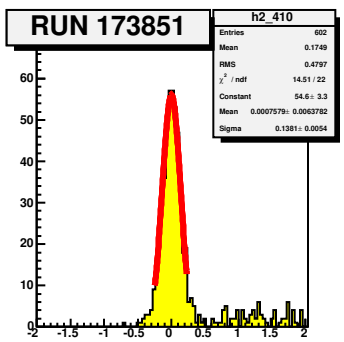

RUN 173840
h2_405
Entries 850
Mean 0.1945
RMS 0.4943
χ² / ndf 20.7 / 21
Constant 75.71 ± 3.75
Mean 0.003217 ± 0.005519
Sigma 0.1397 ± 0.0043

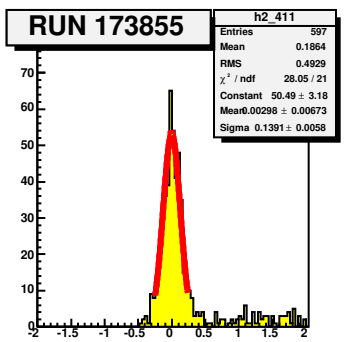

RUN 173842
h2_406
Entries 1013
Mean 0.1762
RMS 0.4793
χ² / ndf 22.74 / 20
Constant 92.17 ± 4.18
Mean 0.01132 ± 0.00515
Sigma 0.1368 ± 0.0039

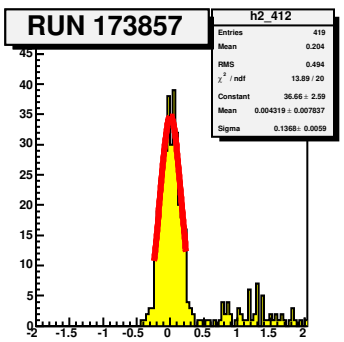

RUN 173844
h2_407
Entries 874
Mean 0.1748
RMS 0.4909
χ² / ndf 12.88 / 21
Constant 73.3 ± 3.5
Mean 0.01238 ± 0.00581
Sigma 0.1489 ± 0.0044

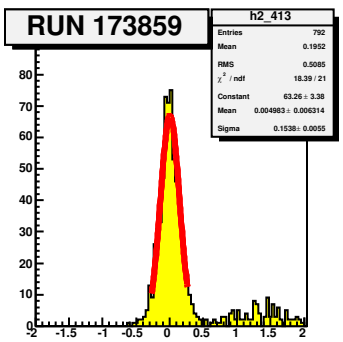

RUN 173846
h2_408
Entries 961
Mean 0.1923
RMS 0.4912
χ² / ndf 28.87 / 21
Constant 82.75 ± 4.02
Mean 0.002873 ± 0.005296
Sigma 0.1427 ± 0.0046

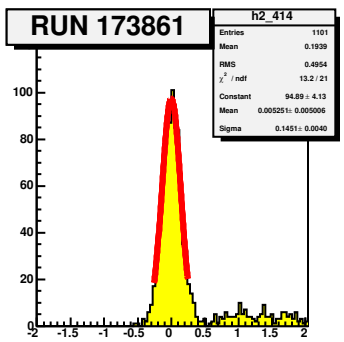

RUN 173848
h2_409
Entries 625
Mean 0.1899
RMS 0.5001
χ² / ndf 22.22 / 20
Constant 60.13 ± 3.55
Mean 0.003554 ± 0.005796
Sigma 0.1227 ± 0.0045

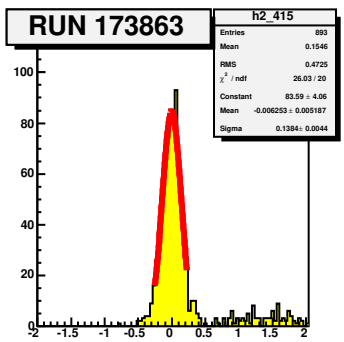

RUN 173851
h2_410
Entries 602
Mean 0.1749
RMS 0.4797
χ² / ndf 14.51 / 22
Constant 54.6 ± 3.3
Mean 0.0007579 ± 0.0063782
Sigma 0.1381 ± 0.0054

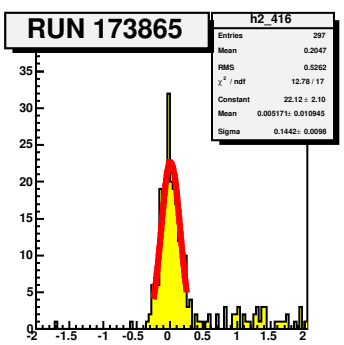

RUN 173855
h2_411
Entries 597
Mean 0.1864
RMS 0.4929
χ² / ndf 28.05 / 21
Constant 50.49 ± 3.18
Mean 0.00298 ± 0.00673
Sigma 0.1391 ± 0.0058

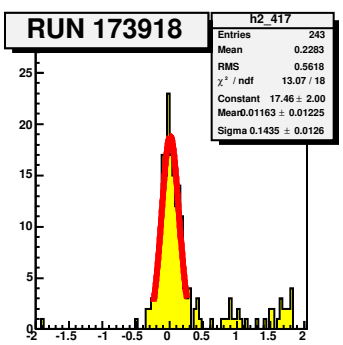

RUN 173857
h2_412
Entries 419
Mean 0.204
RMS 0.494
χ² / ndf 13.89 / 20
Constant 36.66 ± 2.59
Mean 0.004319 ± 0.007837
Sigma 0.1368 ± 0.0059

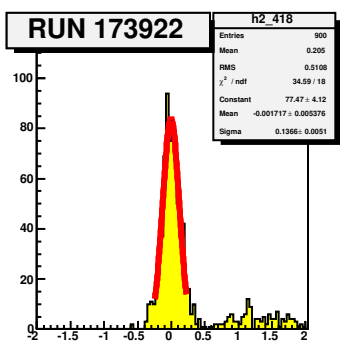

RUN 173859
h2_413
Entries 792
Mean 0.1952
RMS 0.5085
χ² / ndf 18.39 / 21
Constant 63.26 ± 3.38
Mean 0.004983 ± 0.006314
Sigma 0.1538 ± 0.0055

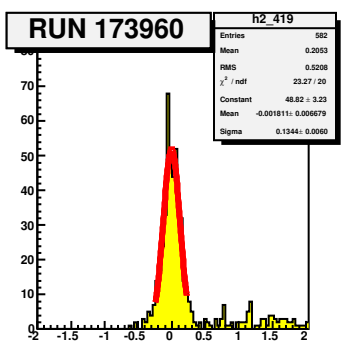

RUN 173861
h2_414
Entries 1101
Mean 0.1939
RMS 0.4954
χ² / ndf 13.2 / 21
Constant 94.89 ± 4.13
Mean 0.005251 ± 0.005006
Sigma 0.1451 ± 0.0040

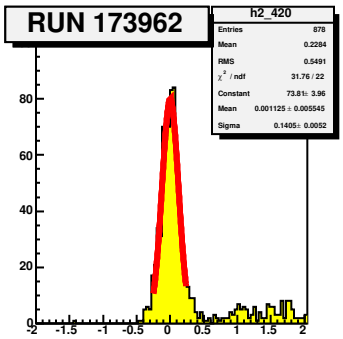

RUN 173863
h2_415
Entries 893
Mean 0.1546
RMS 0.4725
χ² / ndf 26.03 / 20
Constant 83.59 ± 4.06
Mean -0.006253 ± 0.005187
Sigma 0.1384 ± 0.0044

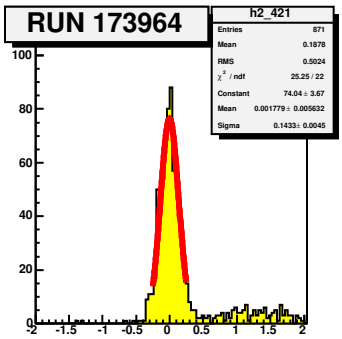

RUN 173865
h2_416
Entries 297
Mean 0.2047
RMS 0.5262
χ² / ndf 12.78 / 17
Constant 22.12 ± 2.10
Mean 0.005171 ± 0.010945
Sigma 0.1442 ± 0.0098

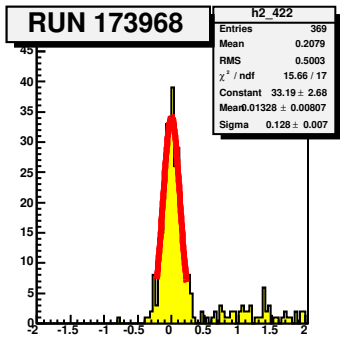

RUN 173918
h2_417
Entries 243
Mean 0.2283
RMS 0.5618
χ² / ndf 13.07 / 18
Constant 17.46 ± 2.00
Mean 0.01163 ± 0.01225
Sigma 0.1435 ± 0.0126

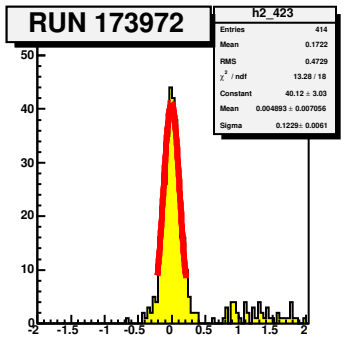

RUN 173922
h2_418
Entries 900
Mean 0.205
RMS 0.5108
χ² / ndf 34.59 / 18
Constant 77.47 ± 4.12
Mean -0.001717 ± 0.005376
Sigma 0.1366 ± 0.0051

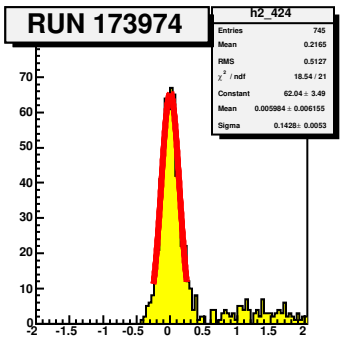

RUN 173960
h2_419
Entries 582
Mean 0.2053
RMS 0.5208
χ² / ndf 23.27 / 20
Constant 48.82 ± 3.23
Mean -0.001811 ± 0.006679
Sigma 0.1344 ± 0.0060

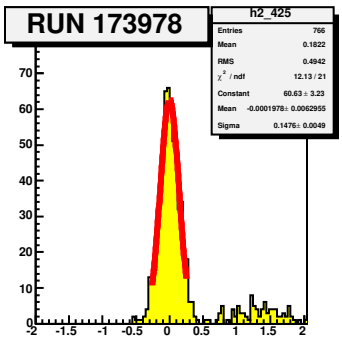

RUN 173962
h2_420
Entries 878
Mean 0.2284
RMS 0.5491
χ² / ndf 31.76 / 22
Constant 73.81± 3.96
Mean 0.001125 ± 0.005545
Sigma 0.1405± 0.0052

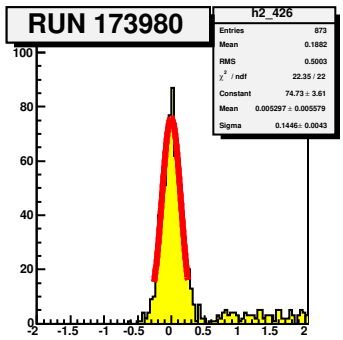

RUN 173964
h2_421
Entries 871
Mean 0.1878
RMS 0.5024
χ² / ndf 25.25 / 22
Constant 74.04 ± 3.67
Mean 0.001779± 0.005632
Sigma 0.1433± 0.0045

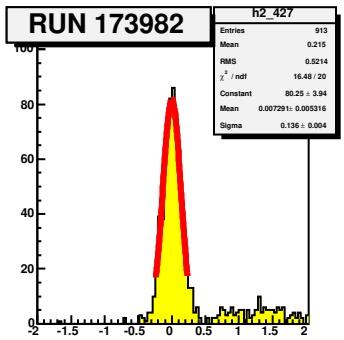

RUN 173968
h2_422
Entries 369
Mean 0.2079
RMS 0.5003
χ² / ndf 15.66 / 17
Constant 33.19 ± 2.68
Mean 0.01328 ± 0.00807
Sigma 0.128 ± 0.007

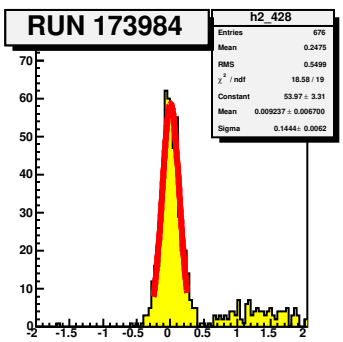

RUN 173972
h2_423
Entries 414
Mean 0.1722
RMS 0.4729
χ² / ndf 13.28 / 18
Constant 40.12 ± 3.03
Mean 0.004893 ± 0.007056
Sigma 0.1229± 0.0061

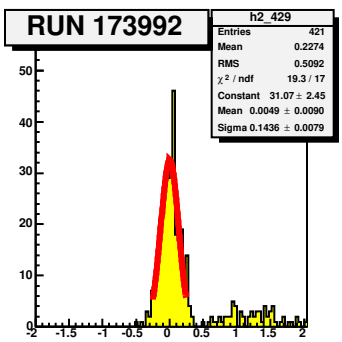

RUN 173974
h2_424
Entries 745
Mean 0.2165
RMS 0.5127
χ² / ndf 18.54 / 21
Constant 62.04 ± 3.49
Mean 0.005984 ± 0.006155
Sigma 0.1428± 0.0053

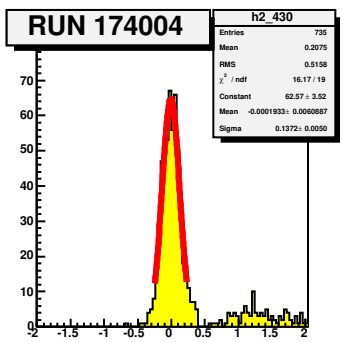

RUN 173978
h2_425
Entries 766
Mean 0.1822
RMS 0.4942
χ² / ndf 12.13 / 21
Constant 60.63 ± 3.23
Mean -0.0001978± 0.0062955
Sigma 0.1476± 0.0049

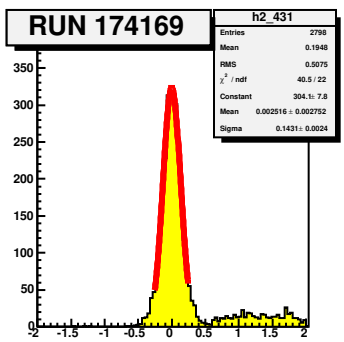

RUN 173980
h2_426
Entries 873
Mean 0.1882
RMS 0.5003
χ² / ndf 22.35 / 22
Constant 74.73 ± 3.61
Mean 0.005297 ± 0.005579
Sigma 0.1446± 0.0043

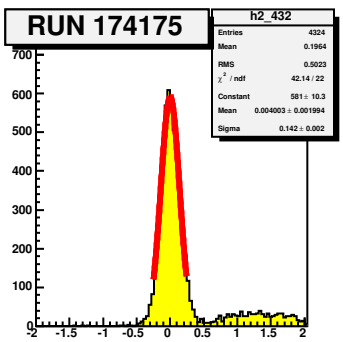

RUN 173982
h2_427
Entries 913
Mean 0.215
RMS 0.5214
χ² / ndf 16.48 / 20
Constant 80.25 ± 3.94
Mean 0.007291± 0.005316
Sigma 0.136 ± 0.004

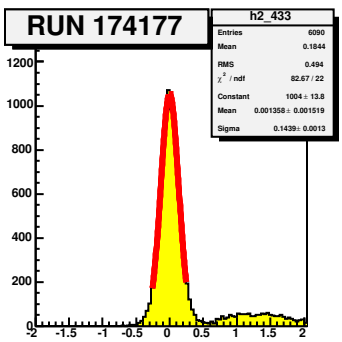

RUN 173984
h2_428
Entries 676
Mean 0.2475
RMS 0.5499
χ² / ndf 18.58 / 19
Constant 53.97 ± 3.31
Mean 0.009237 ± 0.006700
Sigma 0.1444± 0.0062

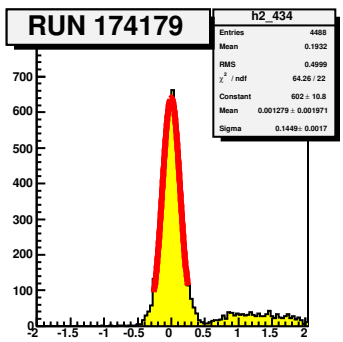

RUN 173992
h2_429
Entries 421
Mean 0.2274
RMS 0.5092
χ² / ndf 19.3 / 17
Constant 31.07 ± 2.45
Mean 0.0049 ± 0.0090
Sigma 0.1436 ± 0.0079

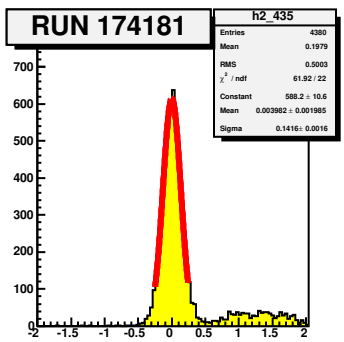

RUN 174004
h2_430
Entries 735
Mean 0.2075
RMS 0.5158
χ² / ndf 16.17 / 19
Constant 62.57 ± 3.52
Mean -0.0001933± 0.0060887
Sigma 0.1372± 0.0050

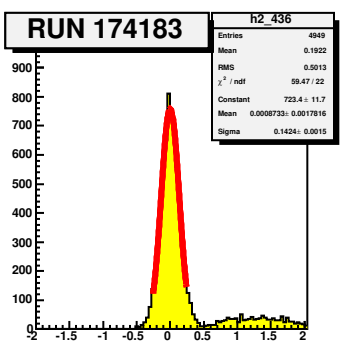

RUN 174169
h2_431
Entries 2798
Mean 0.1948
RMS 0.5075
χ² / ndf 40.5 / 22
Constant 304.1± 7.8
Mean 0.002516 ± 0.002752
Sigma 0.1431± 0.0024

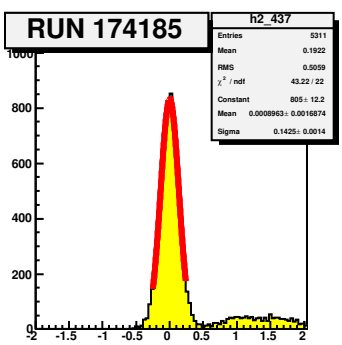

RUN 174175
h2_432
Entries 4324
Mean 0.1964
RMS 0.5023
χ² / ndf 42.14 / 22
Constant 581± 10.3
Mean 0.004003 ± 0.001994
Sigma 0.142 ± 0.002

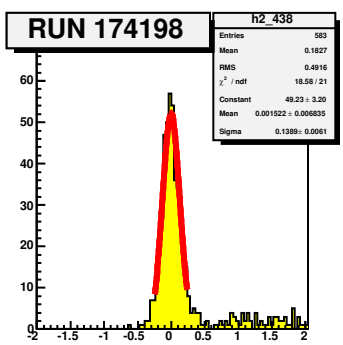

RUN 174177
h2_433
Entries 6090
Mean 0.1844
RMS 0.494
χ² / ndf 82.67 / 22
Constant 1004 ± 13.8
Mean 0.001358± 0.001519
Sigma 0.1439± 0.0013

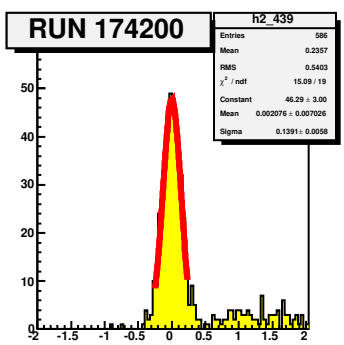

RUN 174179
h2_434
Entries 4488
Mean 0.1932
RMS 0.4999
χ² / ndf 64.26 / 22
Constant 602 ± 10.8
Mean 0.001279 ± 0.001971
Sigma 0.1449± 0.0017

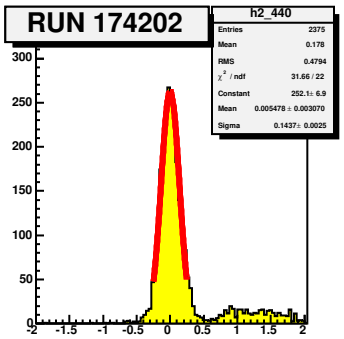

RUN 174181
h2_435
Entries 4380
Mean 0.1979
RMS 0.5003
χ² / ndf 61.92 / 22
Constant 588.2 ± 10.6
Mean 0.003982 ± 0.001985
Sigma 0.1416± 0.0016

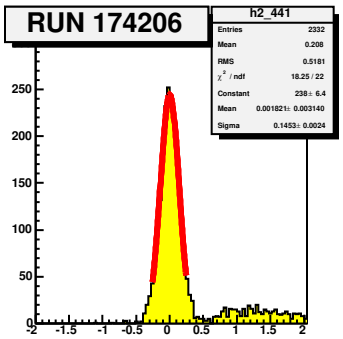

RUN 174183
h2_436
Entries 4949
Mean 0.1922
RMS 0.5013
χ² / ndf 59.47 / 22
Constant 723.4 ± 11.7
Mean 0.0008733± 0.0017816
Sigma 0.1424± 0.0015

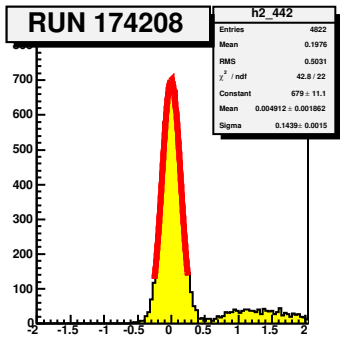

RUN 174185
h2_437
Entries 5311
Mean 0.1922
RMS 0.5059
χ² / ndf 43.22 / 22
Constant 805± 12.2
Mean 0.0008963± 0.0016874
Sigma 0.1425± 0.0014

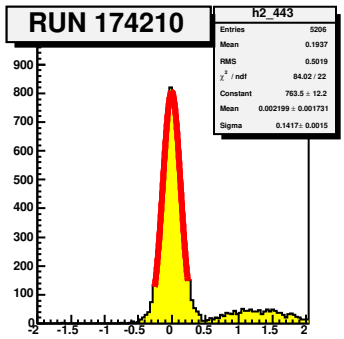

RUN 174198
h2_438
Entries 583
Mean 0.1827
RMS 0.4916
χ² / ndf 18.58 / 21
Constant 49.23 ± 3.20
Mean 0.001522 ± 0.006835
Sigma 0.1389± 0.0061

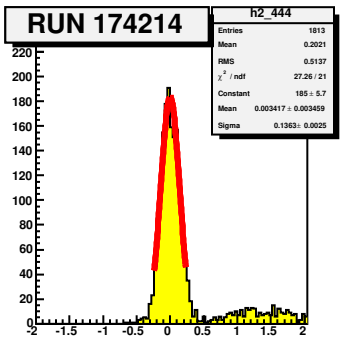

RUN 174200
h2_439
Entries 586
Mean 0.2357
RMS 0.5403
χ² / ndf 15.09 / 19
Constant 46.29 ± 3.00
Mean 0.002076 ± 0.007026
Sigma 0.1391± 0.0058

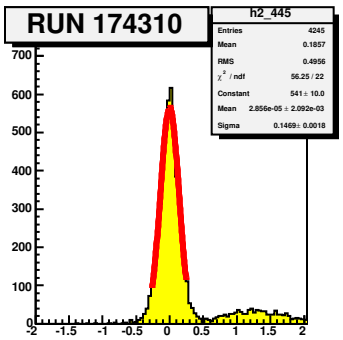

RUN 174202
h2_440
Entries 2375
Mean 0.178
RMS 0.4794
χ² / ndf 31.66 / 22
Constant 252.1± 6.9
Mean 0.005478 ± 0.003070
Sigma 0.1437± 0.0025

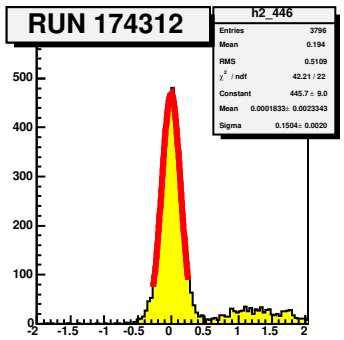

RUN 174206
h2_441
Entries 2332
Mean 0.208
RMS 0.5181
χ² / ndf 18.25 / 22
Constant 238± 6.4
Mean 0.001821± 0.003140
Sigma 0.1453± 0.0024

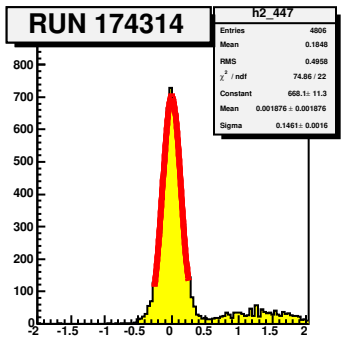

RUN 174208
h2_442
Entries 4822
Mean 0.1976
RMS 0.5031
χ² / ndf 42.8 / 22
Constant 679 ± 11.1
Mean 0.004912 ± 0.001862
Sigma 0.1439± 0.0015

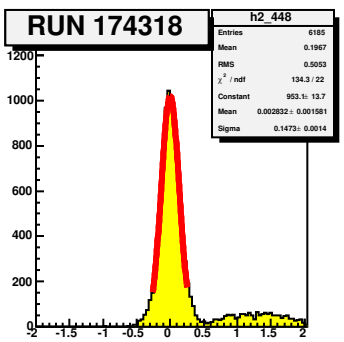

RUN 174210
h2_443
Entries 5206
Mean 0.1937
RMS 0.5019
χ² / ndf 84.02 / 22
Constant 763.5 ± 12.2
Mean 0.002199 ± 0.001731
Sigma 0.1417± 0.0015

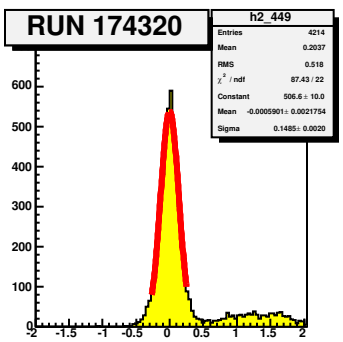

RUN 174214
h2_444
Entries 1813
Mean 0.2021
RMS 0.5137
χ² / ndf 27.26 / 21
Constant 185 ± 5.7
Mean 0.003417 ± 0.003459
Sigma 0.1363± 0.0025

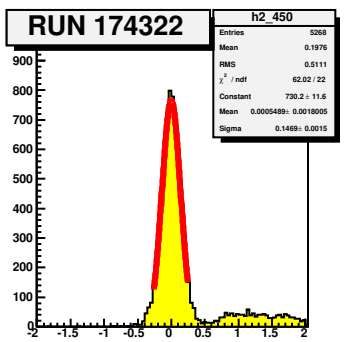

RUN 174310
h2_445
Entries 4245
Mean 0.1857
RMS 0.4956
χ² / ndf 56.25 / 22
Constant 541± 10.0
Mean 2.856e-05 ± 2.092e-03
Sigma 0.1469± 0.0018

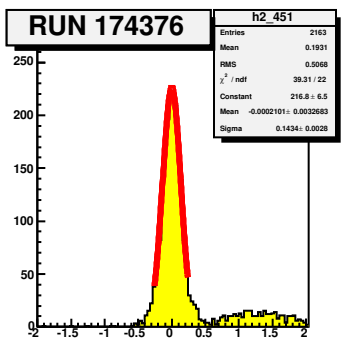

RUN 174312
h2_446
Entries 3796
Mean 0.194
RMS 0.5109
χ² / ndf 42.21 / 22
Constant 445.7 ± 9.0
Mean 0.0001833± 0.0023343
Sigma 0.1504± 0.0020

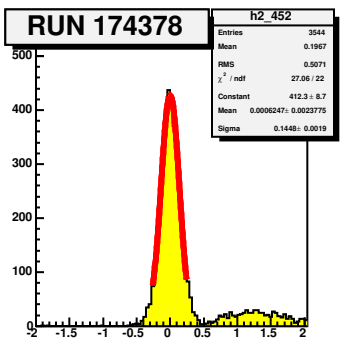

RUN 174314
h2_447
Entries 4806
Mean 0.1848
RMS 0.4958
χ² / ndf 74.86 / 22
Constant 668.1± 11.3
Mean 0.001876 ± 0.001876
Sigma 0.1461± 0.0016

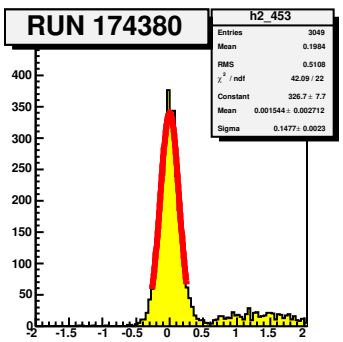

RUN 174318
h2_448
Entries 6185
Mean 0.1967
RMS 0.5053
χ² / ndf 134.3 / 22
Constant 953.1± 13.7
Mean 0.002832 ± 0.001581
Sigma 0.1473± 0.0014

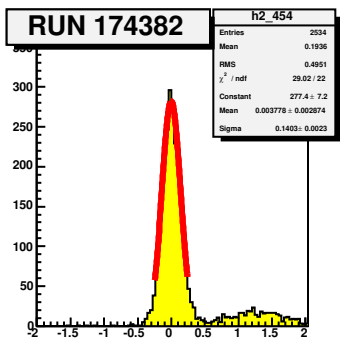

RUN 174320
h2_449
Entries 4214
Mean 0.2037
RMS 0.518
χ² / ndf 87.43 / 22
Constant 506.6 ± 10.0
Mean -0.0005901± 0.0021754
Sigma 0.1485± 0.0020

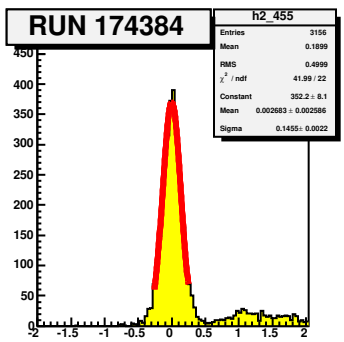

RUN 174322
h2_450
Entries 5268
Mean 0.1976
RMS 0.5111
χ² / ndf 62.02 / 22
Constant 730.2 ± 11.6
Mean 0.0005489± 0.0018005
Sigma 0.1469± 0.0015

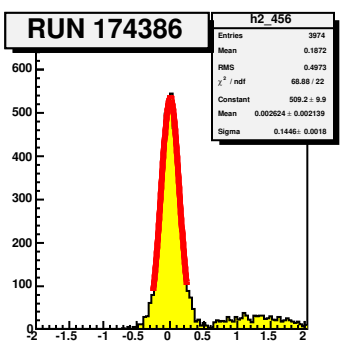

RUN 174376
h2_451
Entries 2163
Mean 0.1931
RMS 0.5068
χ² / ndf 39.31 / 22
Constant 216.8 ± 6.5
Mean -0.0002101± 0.0032683
Sigma 0.1434± 0.0028

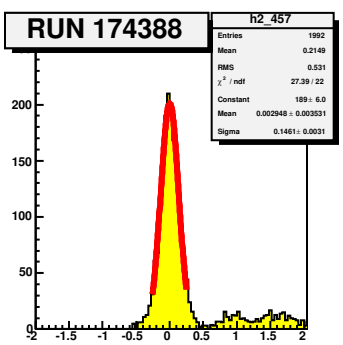

RUN 174378
h2_452
Entries 3544
Mean 0.1967
RMS 0.5071
χ² / ndf 27.06 / 22
Constant 412.3 ± 8.7
Mean 0.0006247± 0.0023775
Sigma 0.1448± 0.0019

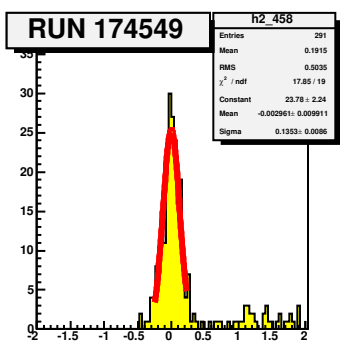

RUN 174380
h2_453
Entries 3049
Mean 0.1984
RMS 0.5108
χ² / ndf 42.09 / 22
Constant 326.7 ± 7.7
Mean 0.001544 ± 0.002712
Sigma 0.1477± 0.0023

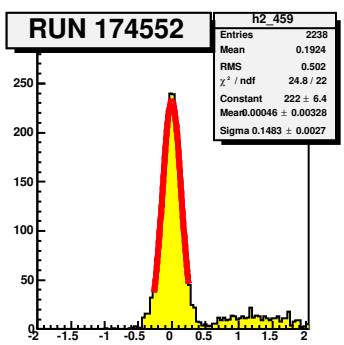

RUN 174382
h2_454
Entries 2534
Mean 0.1936
RMS 0.4951
χ² / ndf 29.02 / 22
Constant 277.4 ± 7.2
Mean 0.003778 ± 0.002874
Sigma 0.1403± 0.0023

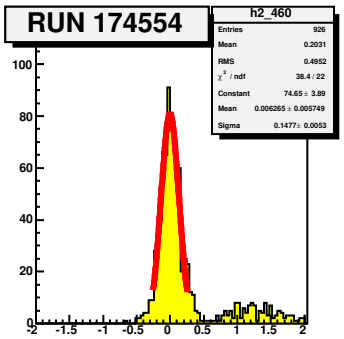

RUN 174384
h2_455
Entries 3156
Mean 0.1899
RMS 0.4999
χ² / ndf 41.99 / 22
Constant 352.2 ± 8.1
Mean 0.002683 ± 0.002586
Sigma 0.1455± 0.0022

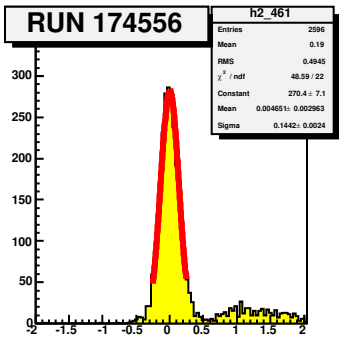

RUN 174386
h2_456
Entries 3974
Mean 0.1872
RMS 0.4973
χ² / ndf 68.88 / 22
Constant 509.2 ± 9.9
Mean 0.002624 ± 0.002139
Sigma 0.1446± 0.0018

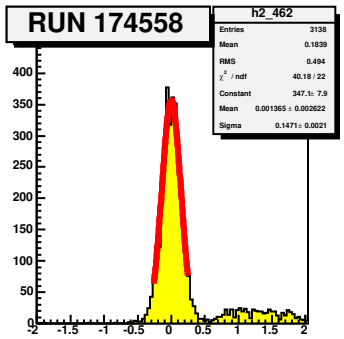

RUN 174388
h2_457
Entries 1992
Mean 0.2149
RMS 0.531
χ² / ndf 27.39 / 22
Constant 189± 6.0
Mean 0.002948 ± 0.003531
Sigma 0.1461± 0.0031

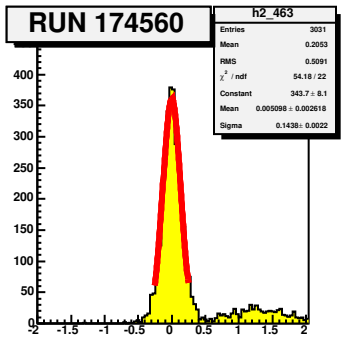

RUN 174549
h2_458
Entries 291
Mean 0.1915
RMS 0.5035
χ² / ndf 17.85 / 19
Constant 23.78 ± 2.24
Mean -0.002961± 0.009911
Sigma 0.1353± 0.0086

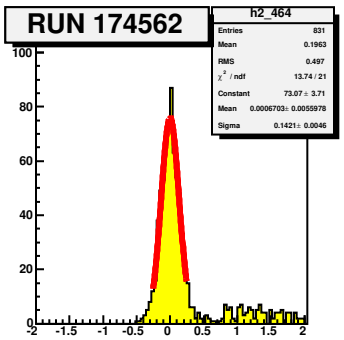

RUN 174552
h2_459
Entries 2238
Mean 0.1924
RMS 0.502
χ² / ndf 24.8 / 22
Constant 222 ± 6.4
Mean 0.00046 ± 0.00328
Sigma 0.1483 ± 0.0027

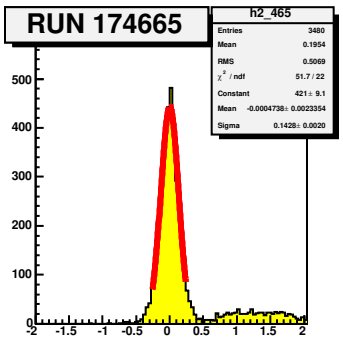

RUN 174554
h2_460
Entries 926
Mean 0.2031
RMS 0.4952
χ² / ndf 38.4 / 22
Constant 74.65 ± 3.89
Mean 0.006265 ± 0.005749
Sigma 0.1477 ± 0.0053

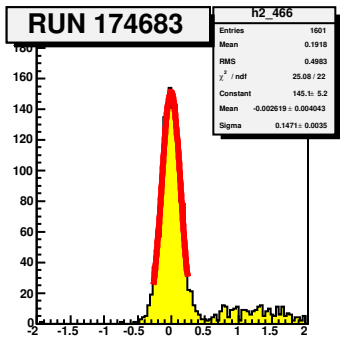

RUN 174556
h2_461
Entries 2596
Mean 0.19
RMS 0.4945
χ² / ndf 48.59 / 22
Constant 270.4 ± 7.1
Mean 0.004651 ± 0.002963
Sigma 0.1442 ± 0.0024

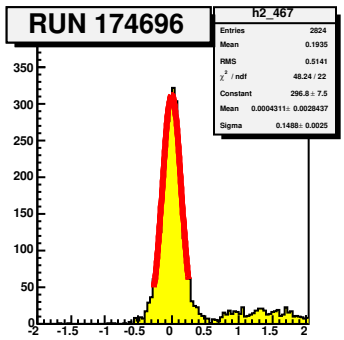

RUN 174558
h2_462
Entries 3138
Mean 0.1839
RMS 0.494
χ² / ndf 40.18 / 22
Constant 347.1 ± 7.9
Mean 0.001365 ± 0.002622
Sigma 0.1471 ± 0.0021

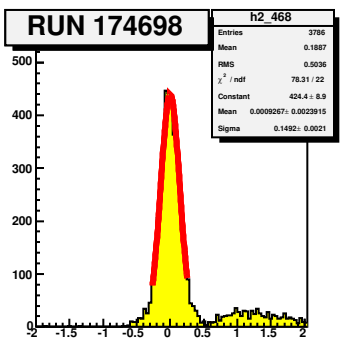

RUN 174560
h2_463
Entries 3031
Mean 0.2053
RMS 0.5091
χ² / ndf 54.18 / 22
Constant 343.7 ± 8.1
Mean 0.005098 ± 0.002618
Sigma 0.1438 ± 0.0022

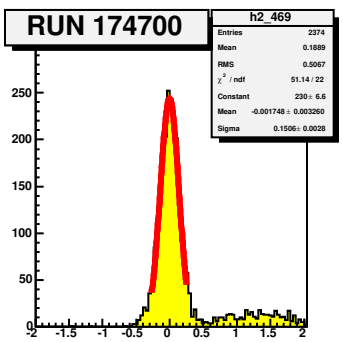

RUN 174562
h2_464
Entries 831
Mean 0.1963
RMS 0.497
χ² / ndf 13.74 / 21
Constant 73.07 ± 3.71
Mean 0.0006703 ± 0.0055978
Sigma 0.1421 ± 0.0046

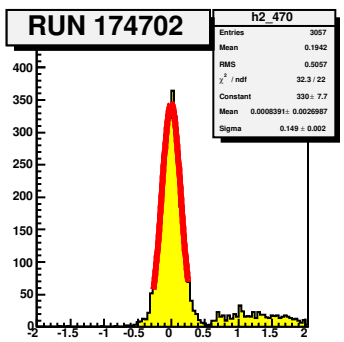

RUN 174665
h2_465
Entries 3480
Mean 0.1954
RMS 0.5069
χ² / ndf 51.7 / 22
Constant 421 ± 9.1
Mean -0.0004738 ± 0.0023354
Sigma 0.1428 ± 0.0020

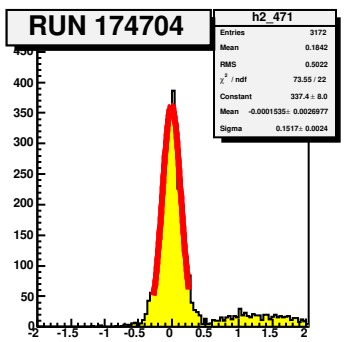

RUN 174683
h2_466
Entries 1601
Mean 0.1918
RMS 0.4983
χ² / ndf 25.08 / 22
Constant 145.1 ± 5.2
Mean -0.002619 ± 0.004043
Sigma 0.1471 ± 0.0035

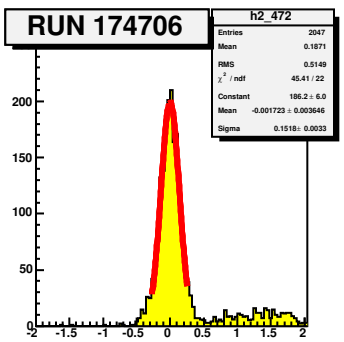

RUN 174696
h2_467
Entries 2824
Mean 0.1935
RMS 0.5141
χ² / ndf 48.24 / 22
Constant 296.8 ± 7.5
Mean 0.0004311 ± 0.0028437
Sigma 0.1488 ± 0.0025

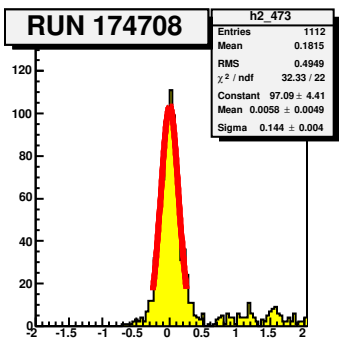

RUN 174698
h2_468
Entries 3786
Mean 0.1887
RMS 0.5036
χ² / ndf 78.31 / 22
Constant 424.4 ± 8.9
Mean 0.0009267 ± 0.0023915
Sigma 0.1492 ± 0.0021

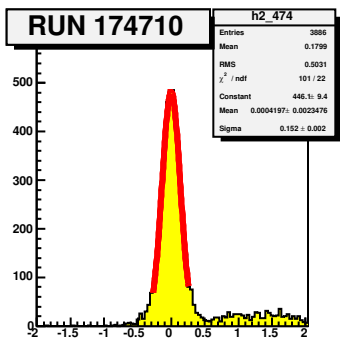

RUN 174700
h2_469
Entries 2374
Mean 0.1889
RMS 0.5067
χ² / ndf 51.14 / 22
Constant 230 ± 6.6
Mean -0.001748 ± 0.003260
Sigma 0.1506 ± 0.0028

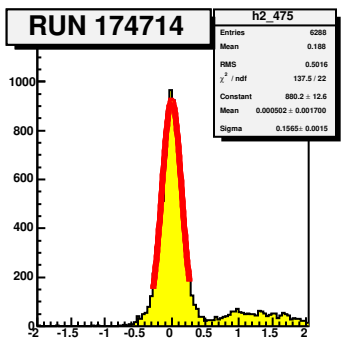

RUN 174702
h2_470
Entries 3057
Mean 0.1942
RMS 0.5057
χ² / ndf 32.3 / 22
Constant 330 ± 7.7
Mean 0.0008391 ± 0.0026987
Sigma 0.149 ± 0.002

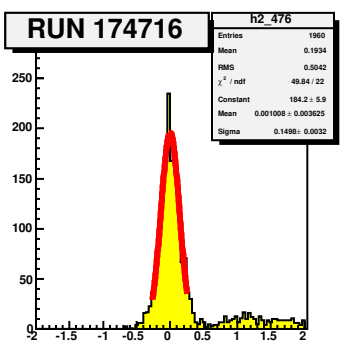

RUN 174704
h2_471
Entries 3172
Mean 0.1842
RMS 0.5022
χ² / ndf 73.55 / 22
Constant 337.4 ± 8.0
Mean -0.0001535 ± 0.0026977
Sigma 0.1517 ± 0.0024

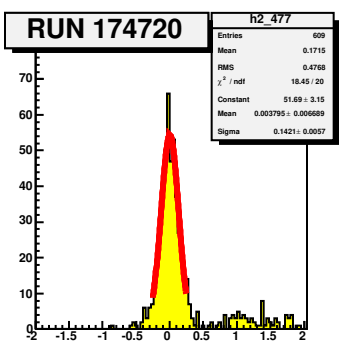

RUN 174706
h2_472
Entries 2047
Mean 0.1871
RMS 0.5149
χ² / ndf 45.41 / 22
Constant 186.2 ± 6.0
Mean -0.001723 ± 0.003646
Sigma 0.1518 ± 0.0033

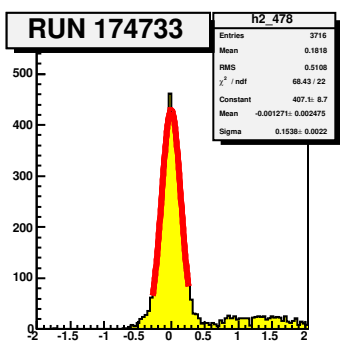

RUN 174708
h2_473
Entries 1112
Mean 0.1815
RMS 0.4949
χ² / ndf 32.33 / 22
Constant 97.09 ± 4.41
Mean 0.0058 ± 0.0049
Sigma 0.144 ± 0.004

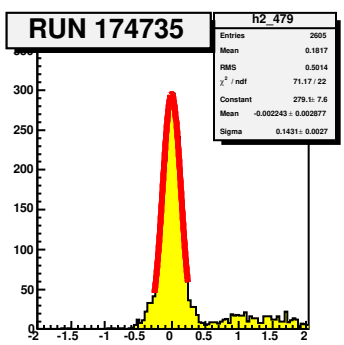

RUN 174710
h2_474
Entries 3886
Mean 0.1799
RMS 0.5031
χ² / ndf 101 / 22
Constant 446.1 ± 9.4
Mean 0.0004197 ± 0.0023476
Sigma 0.152 ± 0.002

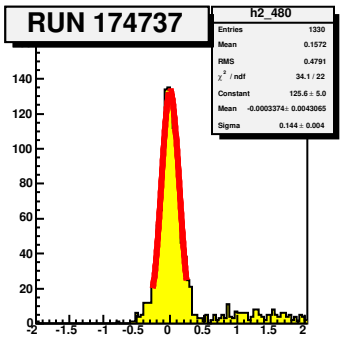

RUN 174714
h2_475
Entries 6288
Mean 0.188
RMS 0.5016
χ² / ndf 137.5 / 22
Constant 880.2 ± 12.6
Mean 0.000502 ± 0.001700
Sigma 0.1565 ± 0.0015

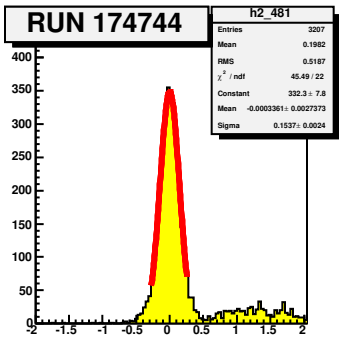

RUN 174716
h2_476
Entries 1960
Mean 0.1934
RMS 0.5042
χ² / ndf 49.84 / 22
Constant 184.2 ± 5.9
Mean 0.001008 ± 0.003625
Sigma 0.1498 ± 0.0032

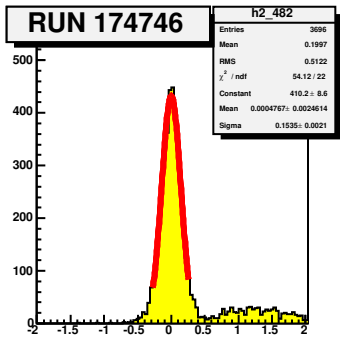

RUN 174720
h2_477
Entries 609
Mean 0.1715
RMS 0.4768
χ² / ndf 18.45 / 20
Constant 51.69 ± 3.15
Mean 0.003795 ± 0.006689
Sigma 0.1421 ± 0.0057

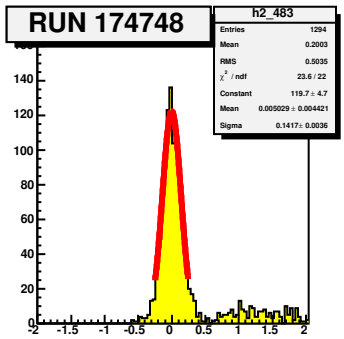

RUN 174733
h2_478
Entries 3716
Mean 0.1818
RMS 0.5108
χ² / ndf 68.43 / 22
Constant 407.1 ± 8.7
Mean -0.001271 ± 0.002475
Sigma 0.1538 ± 0.0022

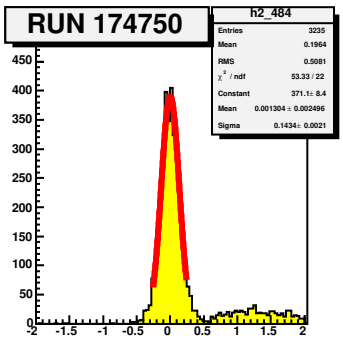

RUN 174735
h2_479
Entries 2605
Mean 0.1817
RMS 0.5014
χ² / ndf 71.17 / 22
Constant 279.1 ± 7.6
Mean -0.002243 ± 0.002877
Sigma 0.1431 ± 0.0027

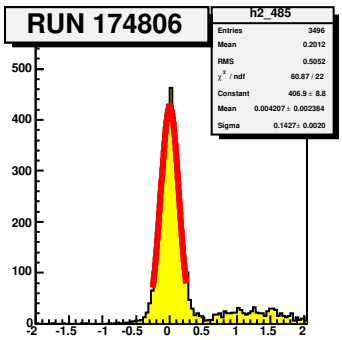

RUN 174737
h2_480
Entries 1330
Mean 0.1572
RMS 0.4791
χ² / ndf 34.1 / 22
Constant 125.6 ± 5.0
Mean -0.0003374 ± 0.0043065
Sigma 0.144 ± 0.004

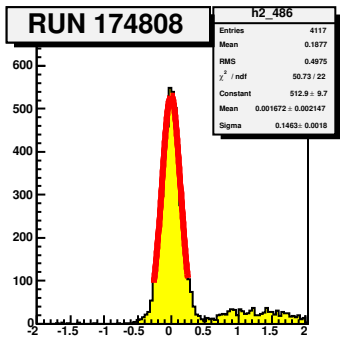

RUN 174744
h2_481
Entries 3207
Mean 0.1982
RMS 0.5187
χ² / ndf 45.49 / 22
Constant 332.3 ± 7.8
Mean -0.0003361 ± 0.0027373
Sigma 0.1537 ± 0.0024

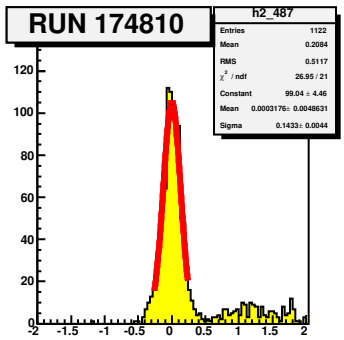

RUN 174746
h2_482
Entries 3696
Mean 0.1997
RMS 0.5122
χ² / ndf 54.12 / 22
Constant 410.2 ± 8.6
Mean 0.0004767 ± 0.0024614
Sigma 0.1535 ± 0.0021

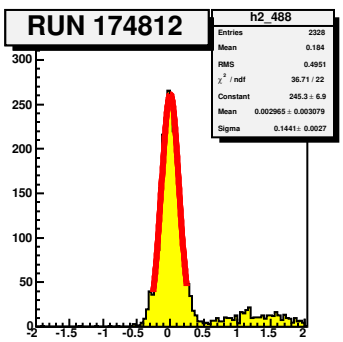

RUN 174748
h2_483
Entries 1294
Mean 0.2003
RMS 0.5035
χ² / ndf 23.6 / 22
Constant 119.7 ± 4.7
Mean 0.005029 ± 0.004421
Sigma 0.1417 ± 0.0036

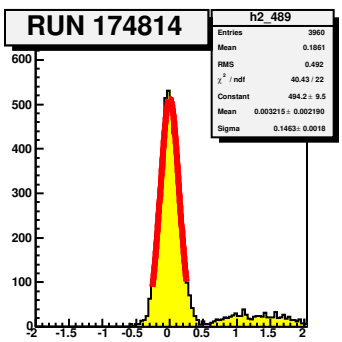

RUN 174750
h2_484
Entries 3235
Mean 0.1964
RMS 0.5081
χ² / ndf 53.33 / 22
Constant 371.1 ± 8.4
Mean 0.001304 ± 0.002496
Sigma 0.1434 ± 0.0021

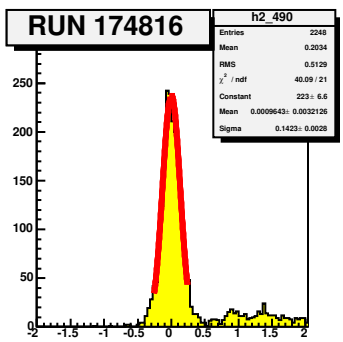

RUN 174806
h2_485
Entries 3496
Mean 0.2012
RMS 0.5052
χ² / ndf 60.87 / 22
Constant 406.9 ± 8.8
Mean 0.004207 ± 0.002384
Sigma 0.1427 ± 0.0020

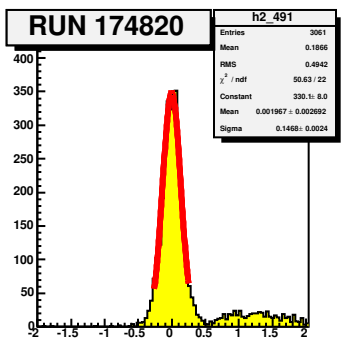

RUN 174808
h2_486
Entries 4117
Mean 0.1877
RMS 0.4975
χ² / ndf 50.73 / 22
Constant 512.9 ± 9.7
Mean 0.001672 ± 0.002147
Sigma 0.1463 ± 0.0018

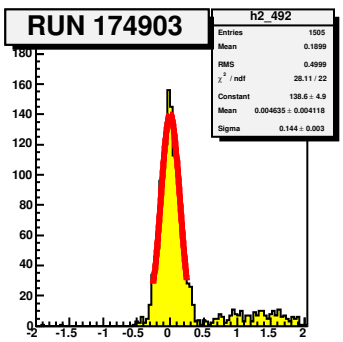

RUN 174810
h2_487
Entries 1122
Mean 0.2084
RMS 0.5117
χ² / ndf 26.95 / 21
Constant 99.04 ± 4.46
Mean 0.0003176 ± 0.0048631
Sigma 0.1433 ± 0.0044

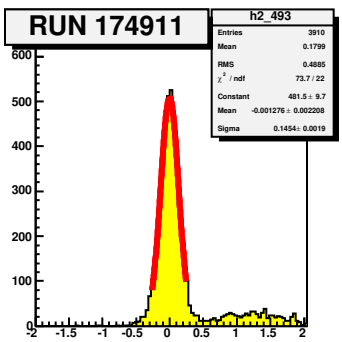

RUN 174812
h2_488
Entries 2328
Mean 0.184
RMS 0.4951
χ² / ndf 36.71 / 22
Constant 245.3 ± 6.9
Mean 0.002965 ± 0.003079
Sigma 0.1441 ± 0.0027

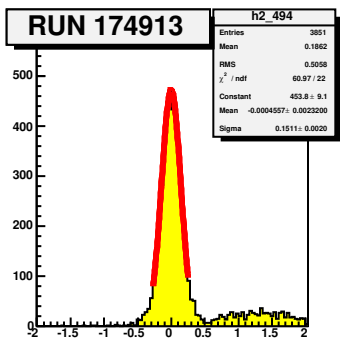

RUN 174814
h2_489
Entries 3960
Mean 0.1861
RMS 0.492
χ² / ndf 40.43 / 22
Constant 494.2 ± 9.5
Mean 0.003215 ± 0.002190
Sigma 0.1463 ± 0.0018

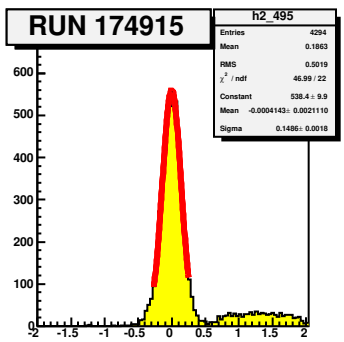

RUN 174816
h2_490
Entries 2248
Mean 0.2034
RMS 0.5129
χ² / ndf 40.09 / 21
Constant 223 ± 6.6
Mean 0.0009643 ± 0.0032126
Sigma 0.1423 ± 0.0028

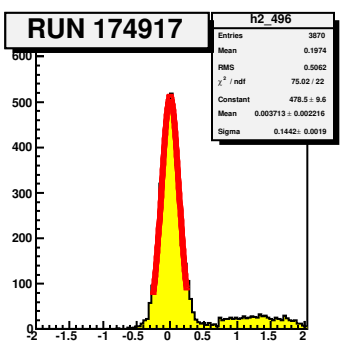

RUN 174820
h2_491
Entries 3061
Mean 0.1866
RMS 0.4942
χ² / ndf 50.63 / 22
Constant 330.1 ± 8.0
Mean 0.001967 ± 0.002692
Sigma 0.1468 ± 0.0024

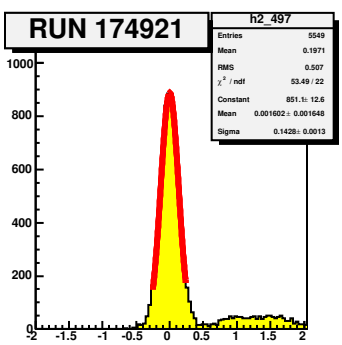

RUN 174903
h2_492
Entries 1505
Mean 0.1899
RMS 0.4999
χ² / ndf 28.11 / 22
Constant 138.6 ± 4.9
Mean 0.004635 ± 0.004118
Sigma 0.144 ± 0.003

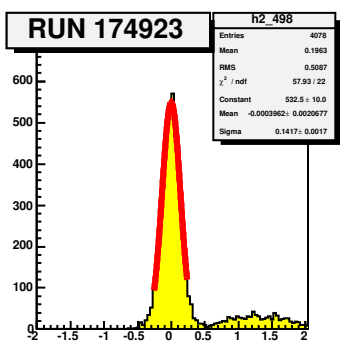

RUN 174911
h2_493
Entries 3910
Mean 0.1799
RMS 0.4885
χ² / ndf 73.7 / 22
Constant 481.5 ± 9.7
Mean -0.001276 ± 0.002208
Sigma 0.1454 ± 0.0019

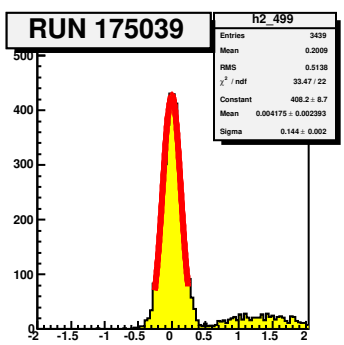

RUN 174913
h2_494
Entries 3851
Mean 0.1862
RMS 0.5058
χ² / ndf 60.97 / 22
Constant 453.8 ± 9.1
Mean -0.0004557 ± 0.0023200
Sigma 0.1511 ± 0.0020

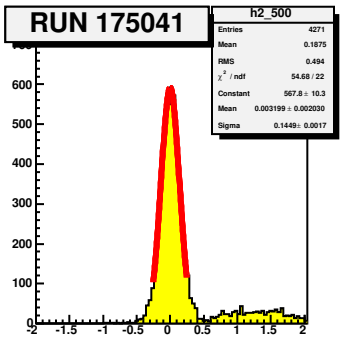

RUN 174915
h2_495
Entries 4294
Mean 0.1863
RMS 0.5019
χ² / ndf 46.99 / 22
Constant 538.4 ± 9.9
Mean -0.0004143 ± 0.0021110
Sigma 0.1486 ± 0.0018

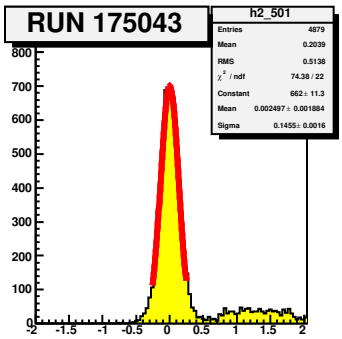

RUN 174917
h2_496
Entries 3870
Mean 0.1974
RMS 0.5062
χ² / ndf 75.02 / 22
Constant 478.5 ± 9.6
Mean 0.003713 ± 0.002216
Sigma 0.1442 ± 0.0019

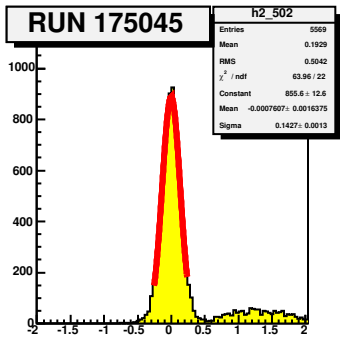

RUN 174921
h2_497
Entries 5549
Mean 0.1971
RMS 0.507
χ² / ndf 53.49 / 22
Constant 851.1 ± 12.6
Mean 0.001602 ± 0.001648
Sigma 0.1428 ± 0.0013

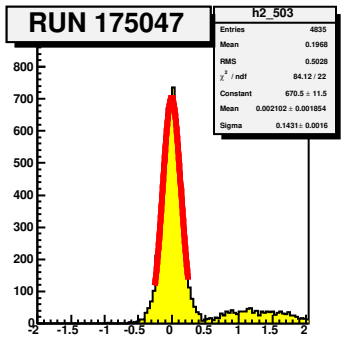

RUN 174923
h2_498
Entries 4078
Mean 0.1963
RMS 0.5087
χ² / ndf 57.93 / 22
Constant 532.5 ± 10.0
Mean -0.0003962 ± 0.0020677
Sigma 0.1417 ± 0.0017

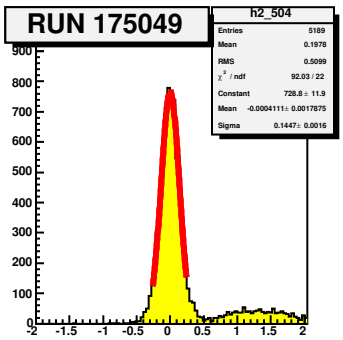

RUN 175039
h2_499
Entries 3439
Mean 0.2009
RMS 0.5138
χ² / ndf 33.47 / 22
Constant 408.2 ± 8.7
Mean 0.004175 ± 0.002393
Sigma 0.144 ± 0.002

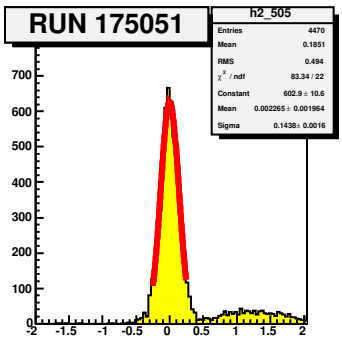

RUN 175041
h2_500
Entries 4271
Mean 0.1875
RMS 0.494
χ² / ndf 54.68 / 22
Constant 567.8 ± 10.3
Mean 0.003199 ± 0.002030
Sigma 0.1449 ± 0.0017

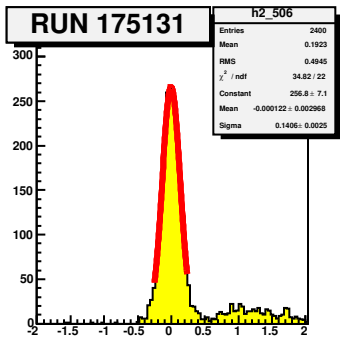

RUN 175043
h2_501
Entries 4879
Mean 0.2039
RMS 0.5138
χ² / ndf 74.38 / 22
Constant 662 ± 11.3
Mean 0.002497 ± 0.001884
Sigma 0.1455 ± 0.0016

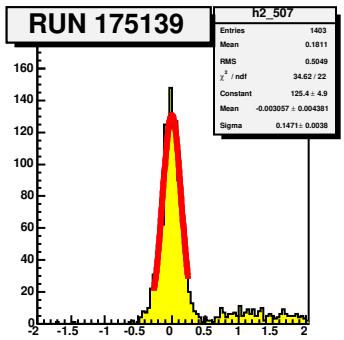

RUN 175045
h2_502
Entries 5569
Mean 0.1929
RMS 0.5042
χ² / ndf 63.96 / 22
Constant 855.6 ± 12.6
Mean -0.0007607 ± 0.0016375
Sigma 0.1427 ± 0.0013

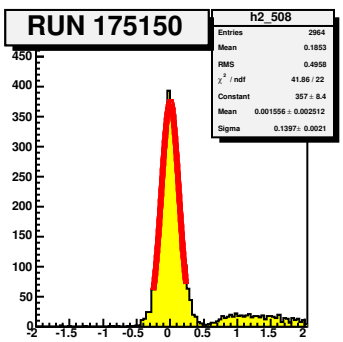

RUN 175047
h2_503
Entries 4835
Mean 0.1968
RMS 0.5028
χ² / ndf 84.12 / 22
Constant 670.5 ± 11.5
Mean 0.002102 ± 0.001854
Sigma 0.1431 ± 0.0016

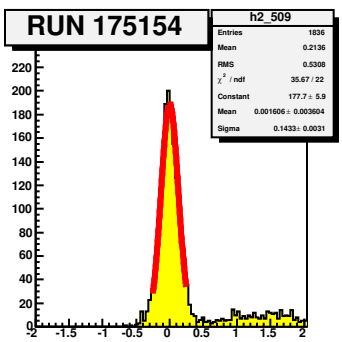

RUN 175049
h2_504
Entries 5189
Mean 0.1978
RMS 0.5099
χ² / ndf 92.03 / 22
Constant 728.8 ± 11.9
Mean -0.0004111 ± 0.0017875
Sigma 0.1447 ± 0.0016

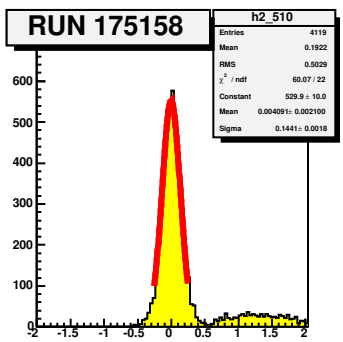

RUN 175051
h2_505
Entries 4470
Mean 0.1851
RMS 0.494
χ² / ndf 83.34 / 22
Constant 602.9 ± 10.6
Mean 0.002265 ± 0.001964
Sigma 0.1438 ± 0.0016

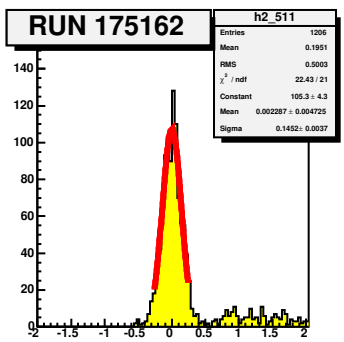

RUN 175131
h2_506
Entries 2400
Mean 0.1923
RMS 0.4945
χ² / ndf 34.82 / 22
Constant 256.8 ± 7.1
Mean -0.000122 ± 0.002968
Sigma 0.1406 ± 0.0025

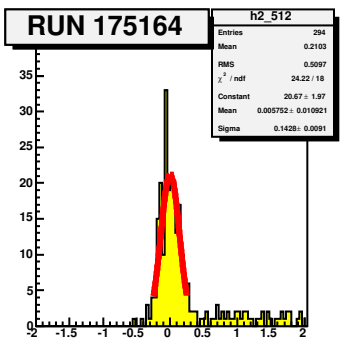

RUN 175139
h2_507
Entries 1403
Mean 0.1811
RMS 0.5049
χ² / ndf 34.62 / 22
Constant 125.4 ± 4.9
Mean -0.003057 ± 0.004381
Sigma 0.1471 ± 0.0038

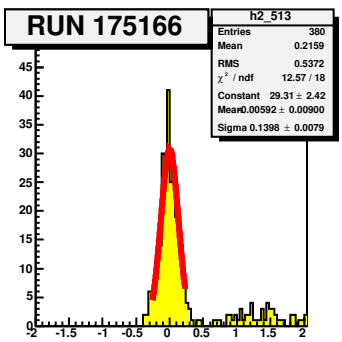

RUN 175150
h2_508
Entries 2964
Mean 0.1853
RMS 0.4958
χ² / ndf 41.86 / 22
Constant 357 ± 8.4
Mean 0.001556 ± 0.002512
Sigma 0.1397 ± 0.0021

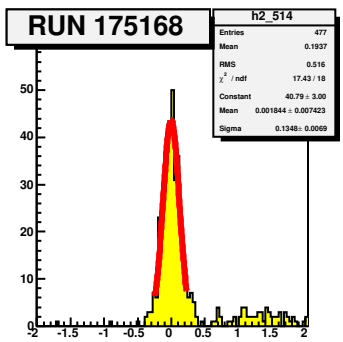

RUN 175154
h2_509
Entries 1836
Mean 0.2136
RMS 0.5308
χ² / ndf 35.67 / 22
Constant 177.7 ± 5.9
Mean 0.001606 ± 0.003604
Sigma 0.1433 ± 0.0031

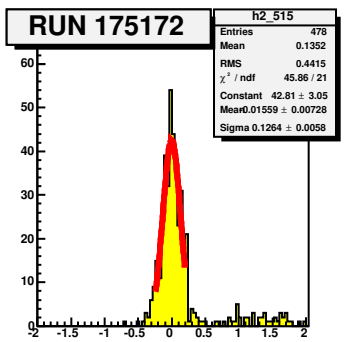

RUN 175158
h2_510
Entries 4119
Mean 0.1922
RMS 0.5029
χ² / ndf 60.07 / 22
Constant 529.9 ± 10.0
Mean 0.004091 ± 0.002100
Sigma 0.1441 ± 0.0018

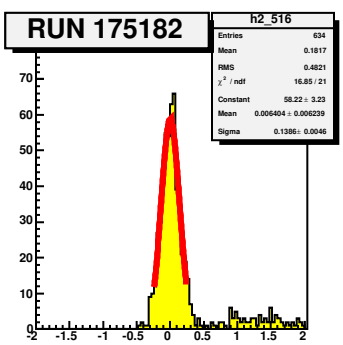

RUN 175162
h2_511
Entries 1206
Mean 0.1951
RMS 0.5003
χ² / ndf 22.43 / 21
Constant 105.3 ± 4.3
Mean 0.002287 ± 0.004725
Sigma 0.1452 ± 0.0037

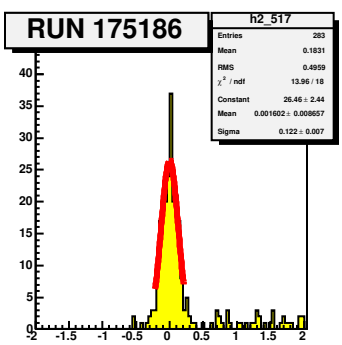

RUN 175164
h2_512
Entries 294
Mean 0.2103
RMS 0.5097
χ² / ndf 24.22 / 18
Constant 20.67 ± 1.97
Mean 0.005752 ± 0.010921
Sigma 0.1428 ± 0.0091

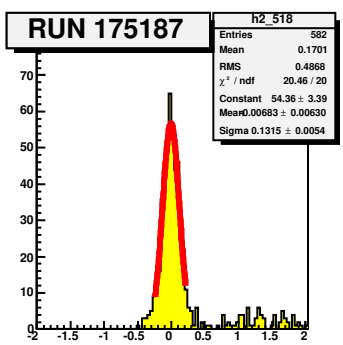

RUN 175166
h2_513
Entries 380
Mean 0.2159
RMS 0.5372
χ² / ndf 12.57 / 18
Constant 29.31 ± 2.42
Mean 0.00592 ± 0.00900
Sigma 0.1398 ± 0.0079

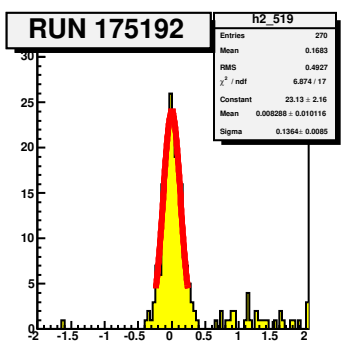

RUN 175168
h2_514
Entries 477
Mean 0.1937
RMS 0.516
χ² / ndf 17.43 / 18
Constant 40.79 ± 3.00
Mean 0.001844 ± 0.007423
Sigma 0.1348 ± 0.0069

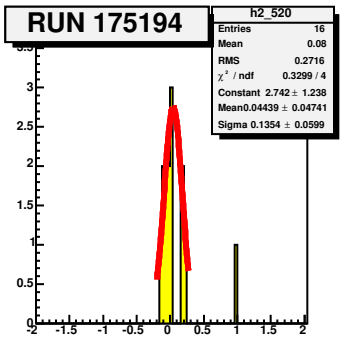

RUN 175172
h2_515
Entries 478
Mean 0.1352
RMS 0.4415
χ² / ndf 45.86 / 21
Constant 42.81 ± 3.05
Mean 0.01559 ± 0.00728
Sigma 0.1264 ± 0.0058

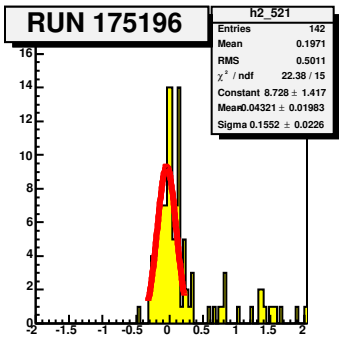

RUN 175182
h2_516
Entries 634
Mean 0.1817
RMS 0.4821
χ² / ndf 16.85 / 21
Constant 58.22 ± 3.23
Mean 0.006404 ± 0.006239
Sigma 0.1386 ± 0.0046

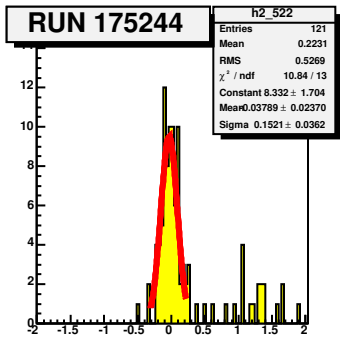

RUN 175186
h2_517
Entries 283
Mean 0.1831
RMS 0.4959
χ² / ndf 13.96 / 18
Constant 26.46 ± 2.44
Mean 0.001602 ± 0.008657
Sigma 0.122 ± 0.007

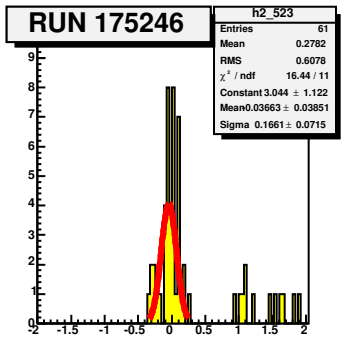

RUN 175187
h2_518
Entries 582
Mean 0.1701
RMS 0.4868
χ² / ndf 20.46 / 20
Constant 54.36 ± 3.39
Mean 0.00683 ± 0.00630
Sigma 0.1315 ± 0.0054

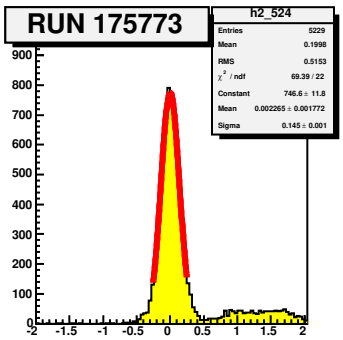

RUN 175192
h2_519
Entries 270
Mean 0.1683
RMS 0.4927
χ² / ndf 6.874 / 17
Constant 23.13 ± 2.16
Mean 0.008288 ± 0.010116
Sigma 0.1364 ± 0.0085

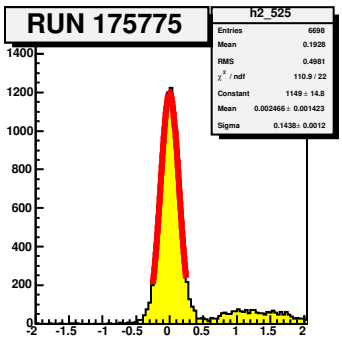

RUN 175194
h2_520
Entries 16
Mean 0.08
RMS 0.2716
χ² / ndf 0.3299 / 4
Constant 2.742 ± 1.238
Mean 0.04439 ± 0.04741
Sigma 0.1354 ± 0.0599

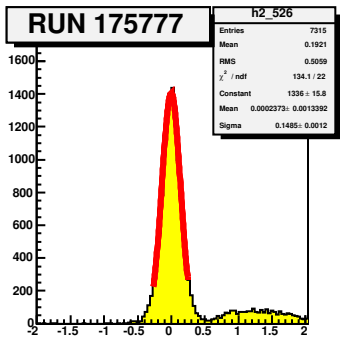

RUN 175196
h2_521
Entries 142
Mean 0.1971
RMS 0.5011
χ² / ndf 22.38 / 15
Constant 8.728 ± 1.417
Mean 0.04321 ± 0.01983
Sigma 0.1552 ± 0.0226

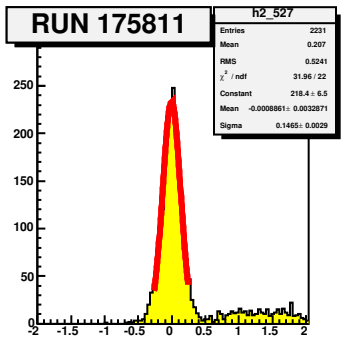

RUN 175244
h2_522
Entries 121
Mean 0.2231
RMS 0.5269
χ² / ndf 10.84 / 13
Constant 8.332 ± 1.704
Mean 0.03789 ± 0.02370
Sigma 0.1521 ± 0.0362

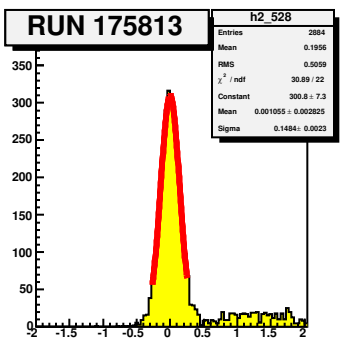

RUN 175246
h2_523
Entries 61
Mean 0.2782
RMS 0.6078
χ² / ndf 16.44 / 11
Constant 3.044 ± 1.122
Mean 0.03663 ± 0.03851
Sigma 0.1661 ± 0.0715

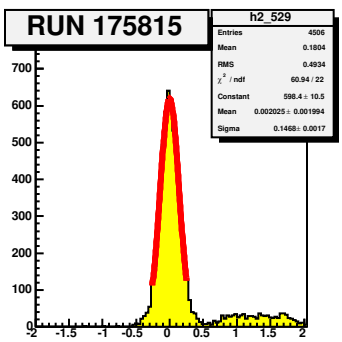

RUN 175773
h2_524
Entries 5229
Mean 0.1998
RMS 0.5153
χ² / ndf 69.39 / 22
Constant 746.6 ± 11.8
Mean 0.002265 ± 0.001772
Sigma 0.145 ± 0.001

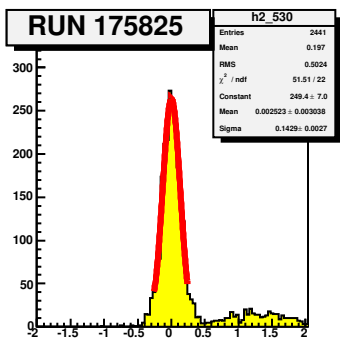

RUN 175775
h2_525
Entries 6698
Mean 0.1928
RMS 0.4981
χ² / ndf 110.9 / 22
Constant 1149 ± 14.8
Mean 0.002466 ± 0.001423
Sigma 0.1438 ± 0.0012

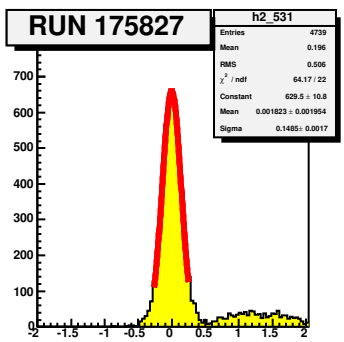

RUN 175777
h2_526
Entries 7315
Mean 0.1921
RMS 0.5059
χ² / ndf 134.1 / 22
Constant 1336 ± 15.8
Mean 0.0002373 ± 0.0013392
Sigma 0.1485 ± 0.0012

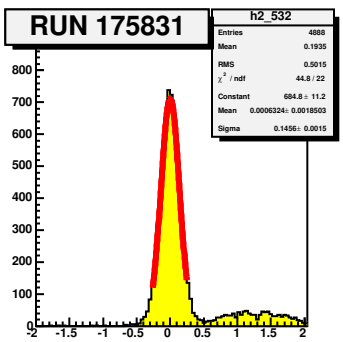

RUN 175811
h2_527
Entries 2231
Mean 0.207
RMS 0.5241
χ² / ndf 31.96 / 22
Constant 218.4 ± 6.5
Mean -0.0008861 ± 0.0032871
Sigma 0.1465 ± 0.0029

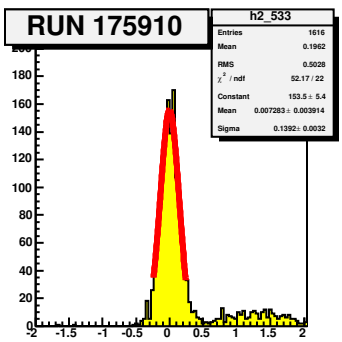

RUN 175813
h2_528
Entries 2884
Mean 0.1956
RMS 0.5059
χ² / ndf 30.89 / 22
Constant 300.8 ± 7.3
Mean 0.001055 ± 0.002825
Sigma 0.1484 ± 0.0023

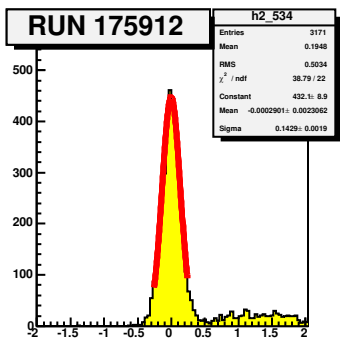

RUN 175815
h2_529
Entries 4506
Mean 0.1804
RMS 0.4934
χ² / ndf 60.94 / 22
Constant 598.4 ± 10.5
Mean 0.002025 ± 0.001994
Sigma 0.1468 ± 0.0017

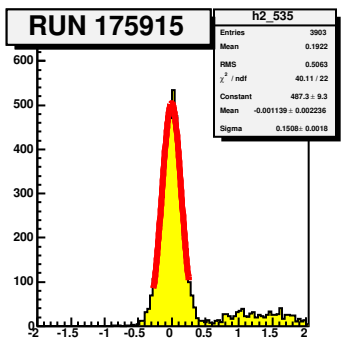

RUN 175825
h2_530
Entries 2441
Mean 0.197
RMS 0.5024
χ² / ndf 51.51 / 22
Constant 249.4 ± 7.0
Mean 0.002523 ± 0.003038
Sigma 0.1429 ± 0.0027

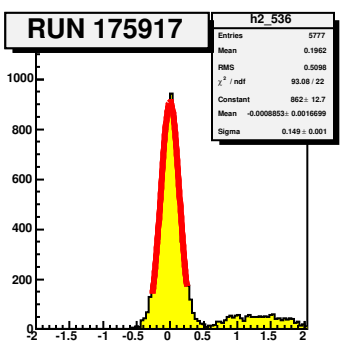

RUN 175827
h2_531
Entries 4739
Mean 0.196
RMS 0.506
χ² / ndf 64.17 / 22
Constant 629.5 ± 10.8
Mean 0.001823 ± 0.001954
Sigma 0.1485 ± 0.0017

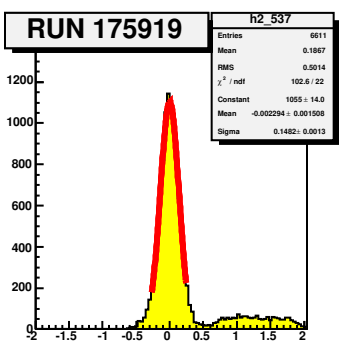

RUN 175831
h2_532
Entries 4888
Mean 0.1935
RMS 0.5015
χ² / ndf 44.8 / 22
Constant 684.8 ± 11.2
Mean 0.0006324 ± 0.0018503
Sigma 0.1456 ± 0.0015

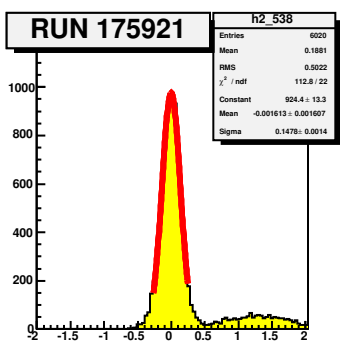

RUN 175910
h2_533
Entries 1616
Mean 0.1962
RMS 0.5028
χ² / ndf 52.17 / 22
Constant 153.5 ± 5.4
Mean 0.007283 ± 0.003914
Sigma 0.1392 ± 0.0032

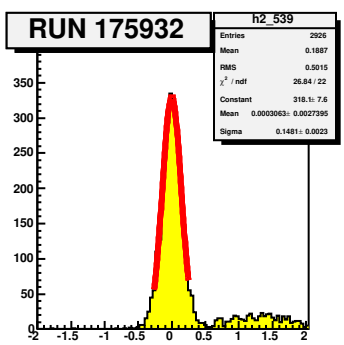

RUN 175912
h2_534
Entries 3171
Mean 0.1948
RMS 0.5034
χ² / ndf 38.79 / 22
Constant 432.1 ± 8.9
Mean -0.0002901 ± 0.0023062
Sigma 0.1429 ± 0.0019

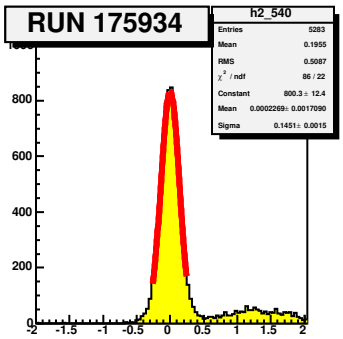

RUN 175915
h2_535
Entries 3903
Mean 0.1922
RMS 0.5063
χ² / ndf 40.11 / 22
Constant 487.3 ± 9.3
Mean -0.001139 ± 0.002236
Sigma 0.1508 ± 0.0018

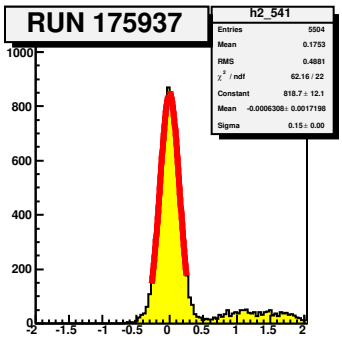

RUN 175917
h2_536
Entries 5777
Mean 0.1962
RMS 0.5098
χ² / ndf 93.08 / 22
Constant 862 ± 12.7
Mean -0.0008853 ± 0.0016699
Sigma 0.149 ± 0.001

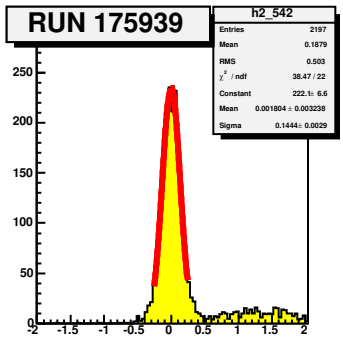

RUN 175919
h2_537
Entries 6611
Mean 0.1867
RMS 0.5014
χ² / ndf 102.6 / 22
Constant 1055 ± 14.0
Mean -0.002294 ± 0.001508
Sigma 0.1482 ± 0.0013

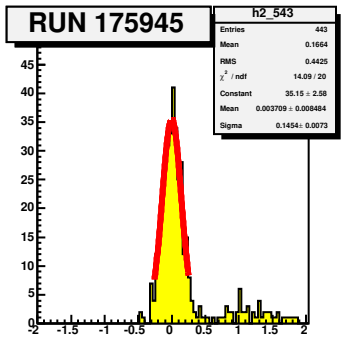

RUN 175921
h2_538
Entries 6020
Mean 0.1881
RMS 0.5022
χ² / ndf 112.8 / 22
Constant 924.4 ± 13.3
Mean -0.001613 ± 0.001607
Sigma 0.1478 ± 0.0014

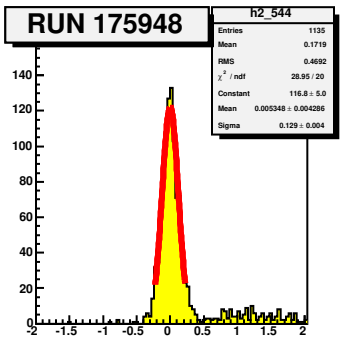

RUN 175932
h2_539
Entries 2926
Mean 0.1887
RMS 0.5015
χ² / ndf 26.84 / 22
Constant 318.1 ± 7.6
Mean 0.0003063 ± 0.0027395
Sigma 0.1481 ± 0.0023

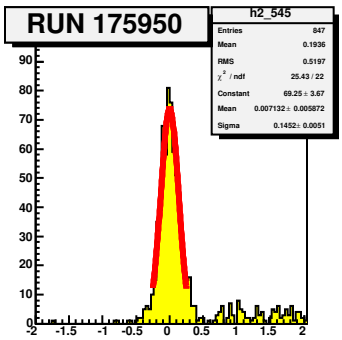

RUN 175934
h2_540
Entries 5283
Mean 0.1955
RMS 0.5087
χ² / ndf 86 / 22
Constant 800.3 ± 12.4
Mean 0.0002269 ± 0.0017090
Sigma 0.1451 ± 0.0015

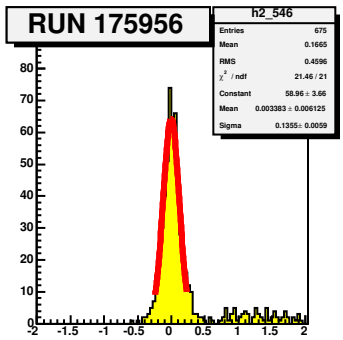

RUN 175937
h2_541
Entries 5504
Mean 0.1753
RMS 0.4881
χ² / ndf 62.16 / 22
Constant 818.7 ± 12.1
Mean -0.0006308 ± 0.0017198
Sigma 0.15 ± 0.00

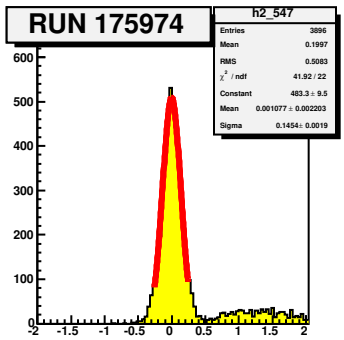

RUN 175939
h2_542
Entries 2197
Mean 0.1879
RMS 0.503
χ² / ndf 38.47 / 22
Constant 222.1 ± 6.6
Mean 0.001804 ± 0.003238
Sigma 0.1444 ± 0.0029

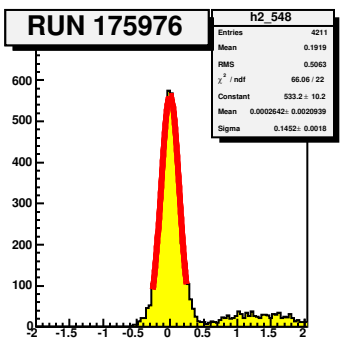

RUN 175945
h2_543
Entries 443
Mean 0.1664
RMS 0.4425
χ² / ndf 14.09 / 20
Constant 35.15 ± 2.58
Mean 0.003709 ± 0.008484
Sigma 0.1454 ± 0.0073

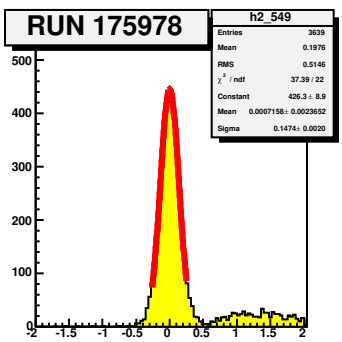

RUN 175948
h2_544
Entries 1135
Mean 0.1719
RMS 0.4692
χ² / ndf 28.95 / 20
Constant 116.8 ± 5.0
Mean 0.005348 ± 0.004286
Sigma 0.129 ± 0.004

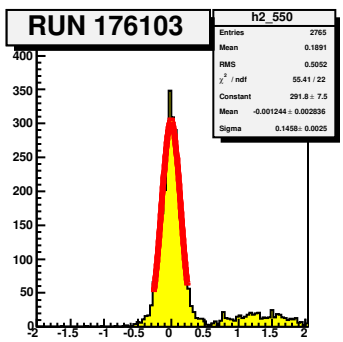

RUN 175950
h2_545
Entries 847
Mean 0.1936
RMS 0.5197
χ² / ndf 25.43 / 22
Constant 69.25 ± 3.67
Mean 0.007132 ± 0.005872
Sigma 0.1452 ± 0.0051

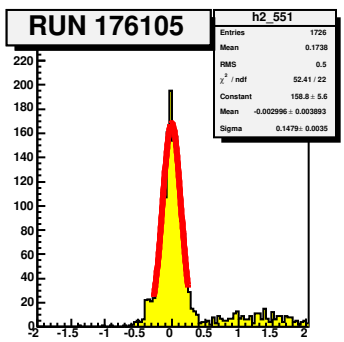

RUN 175956
h2_546
Entries 675
Mean 0.1665
RMS 0.4596
χ² / ndf 21.46 / 21
Constant 58.96 ± 3.66
Mean 0.003383 ± 0.006125
Sigma 0.1355 ± 0.0059

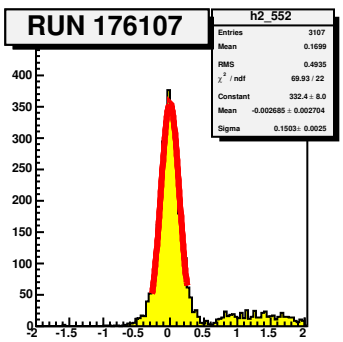

RUN 175974
h2_547
Entries 3896
Mean 0.1997
RMS 0.5083
χ² / ndf 41.92 / 22
Constant 483.3 ± 9.5
Mean 0.001077 ± 0.002203
Sigma 0.1454 ± 0.0019

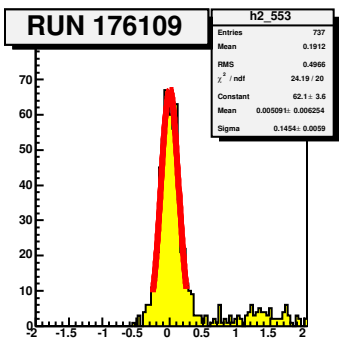

RUN 175976
h2_548
Entries 4211
Mean 0.1919
RMS 0.5063
χ² / ndf 66.06 / 22
Constant 533.2 ± 10.2
Mean 0.0002642 ± 0.0020939
Sigma 0.1452 ± 0.0018

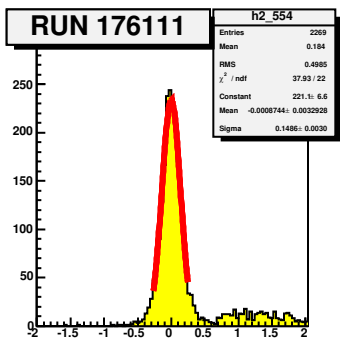

RUN 175978
h2_549
Entries 3639
Mean 0.1976
RMS 0.5146
χ² / ndf 37.39 / 22
Constant 426.3 ± 8.9
Mean 0.0007158 ± 0.0023652
Sigma 0.1474 ± 0.0020

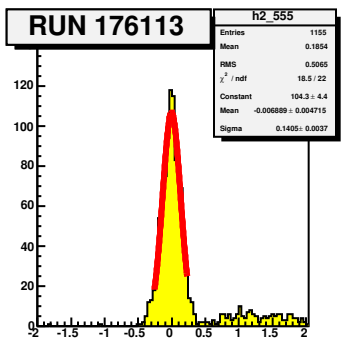

RUN 176103
h2_550
Entries 2765
Mean 0.1691
RMS 0.5052
χ² / ndf 55.41 / 22
Constant 291.8 ± 7.5
Mean -0.001244 ± 0.002836
Sigma 0.1458 ± 0.0025

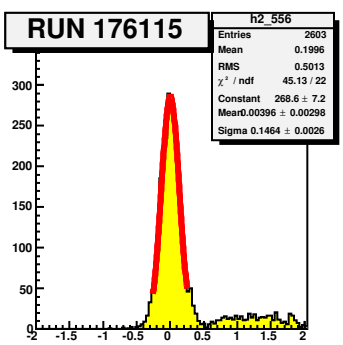

RUN 176105
h2_551
Entries 1726
Mean 0.1738
RMS 0.5
χ² / ndf 52.41 / 22
Constant 158.8 ± 5.6
Mean -0.002996 ± 0.003893
Sigma 0.1479 ± 0.0035

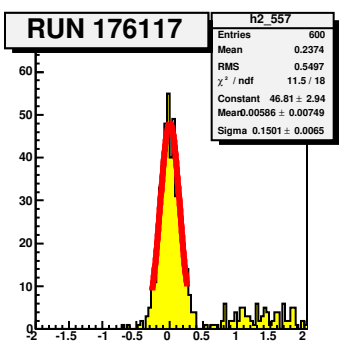

RUN 176107
h2_552
Entries 3107
Mean 0.1699
RMS 0.4935
χ² / ndf 69.93 / 22
Constant 332.4 ± 8.0
Mean -0.002685 ± 0.002704
Sigma 0.1503 ± 0.0025

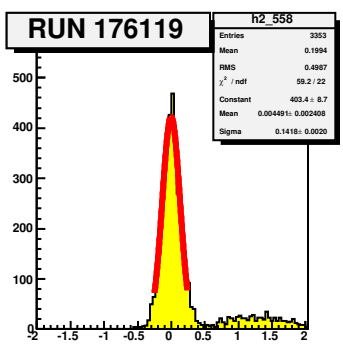

RUN 176109
h2_553
Entries 737
Mean 0.1912
RMS 0.4966
χ² / ndf 24.19 / 20
Constant 62.1 ± 3.6
Mean 0.005091 ± 0.006254
Sigma 0.1454 ± 0.0059

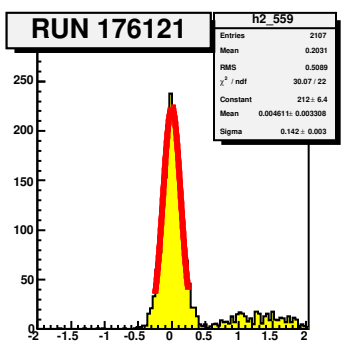

RUN 176111
h2_554
Entries 2269
Mean 0.184
RMS 0.4985
χ² / ndf 37.93 / 22
Constant 221.1 ± 6.6
Mean -0.0008744 ± 0.0032928
Sigma 0.1486 ± 0.0030

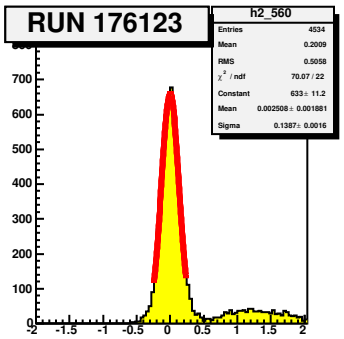

RUN 176113
h2_555
Entries 1155
Mean 0.1854
RMS 0.5065
χ² / ndf 18.5 / 22
Constant 104.3 ± 4.4
Mean -0.006889 ± 0.004715
Sigma 0.1405 ± 0.0037

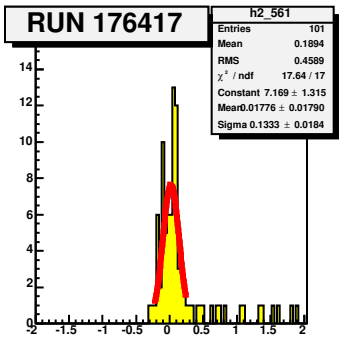

RUN 176115
h2_556
Entries 2603
Mean 0.1996
RMS 0.5013
χ² / ndf 45.13 / 22
Constant 268.6 ± 7.2
Mean 0.00396 ± 0.00298
Sigma 0.1464 ± 0.0026

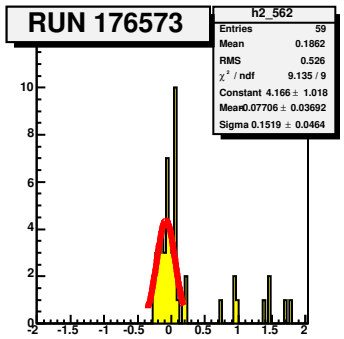

RUN 176117
h2_557
Entries 600
Mean 0.2374
RMS 0.5497
χ² / ndf 11.5 / 18
Constant 46.81 ± 2.94
Mean 0.00586 ± 0.00749
Sigma 0.1501 ± 0.0065

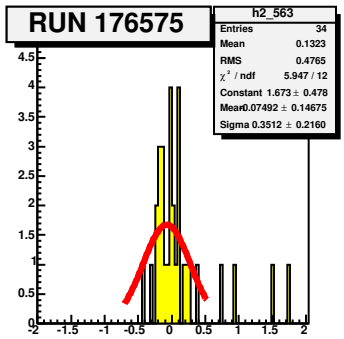

RUN 176119
h2_558
Entries 3353
Mean 0.1994
RMS 0.4987
χ² / ndf 59.2 / 22
Constant 403.4 ± 8.7
Mean 0.004491 ± 0.002408
Sigma 0.1418 ± 0.0020

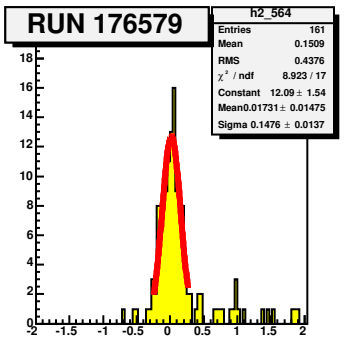

RUN 176121
h2_559
Entries 2107
Mean 0.2031
RMS 0.5089
χ² / ndf 30.07 / 22
Constant 212 ± 6.4
Mean 0.004611 ± 0.003308
Sigma 0.142 ± 0.003

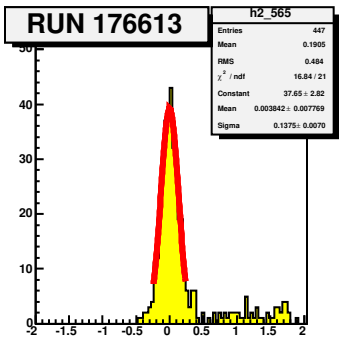

RUN 176123
h2_560
Entries 4534
Mean 0.2009
RMS 0.5058
χ² / ndf 70.07 / 22
Constant 633 ± 11.2
Mean 0.002508 ± 0.001881
Sigma 0.1387 ± 0.0016

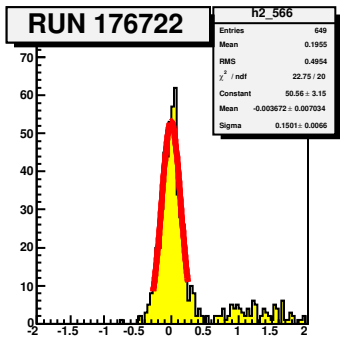

RUN 176417
h2_561
Entries 101
Mean 0.1894
RMS 0.4589
χ² / ndf 17.64 / 17
Constant 7.169 ± 1.315
Mean 0.01776 ± 0.01790
Sigma 0.1333 ± 0.0184

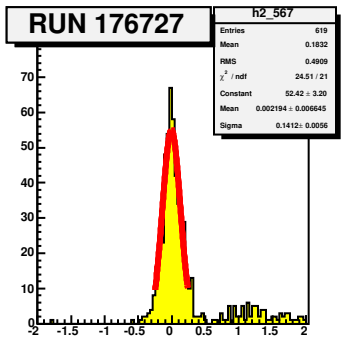

RUN 176573
h2_562
Entries 59
Mean 0.1862
RMS 0.526
χ² / ndf 9.135 / 9
Constant 4.166 ± 1.018
Mean 0.07706 ± 0.03692
Sigma 0.1519 ± 0.0464

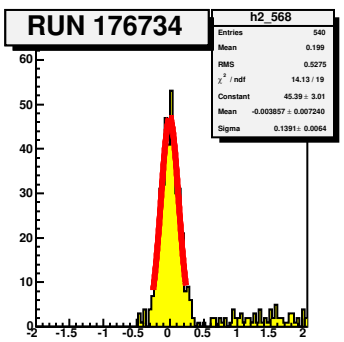

RUN 176575
h2_563
Entries 34
Mean 0.1323
RMS 0.4765
χ² / ndf 5.947 / 12
Constant 1.673 ± 0.478
Mean 0.07492 ± 0.14675
Sigma 0.3512 ± 0.2160

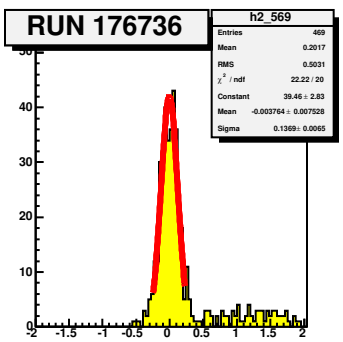

RUN 176579
h2_564
Entries 161
Mean 0.1509
RMS 0.4376
χ² / ndf 8.923 / 17
Constant 12.09 ± 1.54
Mean 0.01731 ± 0.01475
Sigma 0.1476 ± 0.0137

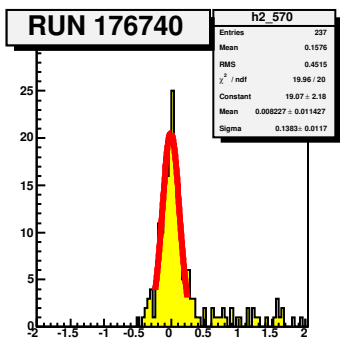

RUN 176613
h2_565
Entries 447
Mean 0.1905
RMS 0.484
χ² / ndf 16.84 / 21
Constant 37.65 ± 2.82
Mean 0.003842 ± 0.007769
Sigma 0.1375 ± 0.0070

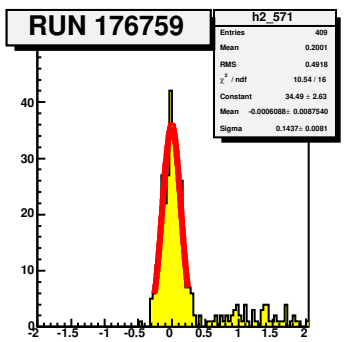

RUN 176722
h2_566
Entries 649
Mean 0.1955
RMS 0.4954
χ² / ndf 22.75 / 20
Constant 50.56 ± 3.15
Mean -0.003672 ± 0.007034
Sigma 0.1501 ± 0.0066

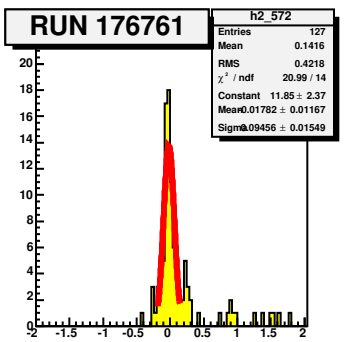

RUN 176727
h2_567
Entries 619
Mean 0.1832
RMS 0.4909
χ² / ndf 24.51 / 21
Constant 52.42 ± 3.20
Mean 0.002194 ± 0.006645
Sigma 0.1412 ± 0.0056

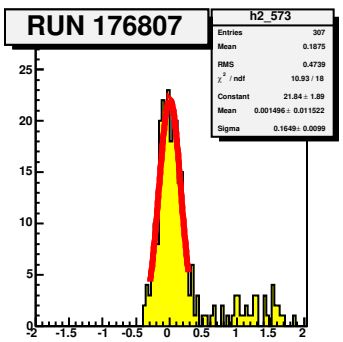

RUN 176734
h2_568
Entries 540
Mean 0.199
RMS 0.5275
χ² / ndf 14.13 / 19
Constant 45.39 ± 3.01
Mean -0.003857 ± 0.007240
Sigma 0.1391 ± 0.0064

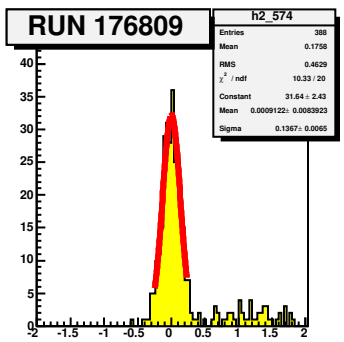

RUN 176736
h2_569
Entries 469
Mean 0.2017
RMS 0.5031
χ² / ndf 22.22 / 20
Constant 39.46 ± 2.83
Mean -0.003764 ± 0.007528
Sigma 0.1369 ± 0.0065

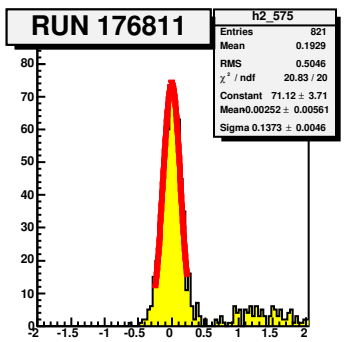

RUN 176740
h2_570
Entries 237
Mean 0.1576
RMS 0.4515
χ² / ndf 19.96 / 20
Constant 19.07 ± 2.18
Mean 0.008227 ± 0.011427
Sigma 0.1383 ± 0.0117

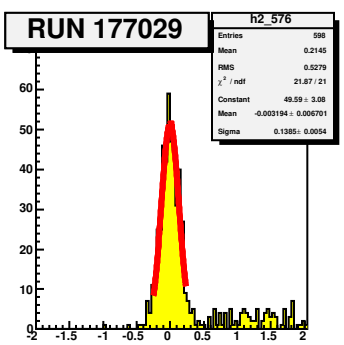

RUN 176759
h2_571
Entries 409
Mean 0.2001
RMS 0.4918
χ² / ndf 10.54 / 16
Constant 34.49 ± 2.63
Mean -0.0006088 ± 0.0087540
Sigma 0.1437 ± 0.0081

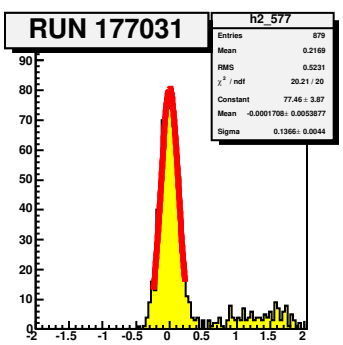

RUN 176761
h2_572
Entries 127
Mean 0.1416
RMS 0.4218
χ² / ndf 20.99 / 14
Constant 11.85 ± 2.37
Mean 0.01782 ± 0.01167
Sigma 0.09456 ± 0.01549

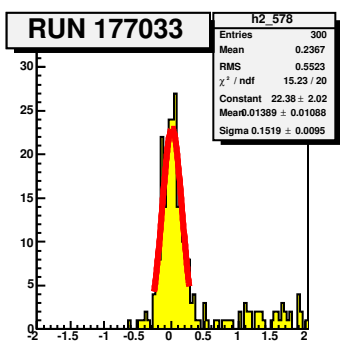

RUN 176807
h2_573
Entries 307
Mean 0.1875
RMS 0.4739
χ² / ndf 10.93 / 18
Constant 21.84 ± 1.89
Mean 0.001496 ± 0.011522
Sigma 0.1649 ± 0.0099

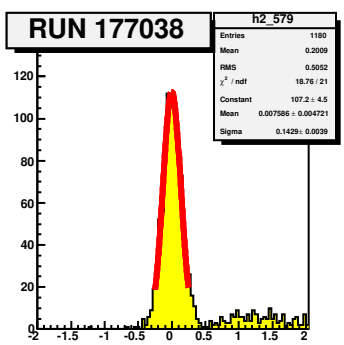

RUN 176809
h2_574
Entries 388
Mean 0.1758
RMS 0.4629
χ² / ndf 10.33 / 20
Constant 31.64 ± 2.43
Mean 0.0009122 ± 0.0083923
Sigma 0.1367 ± 0.0065

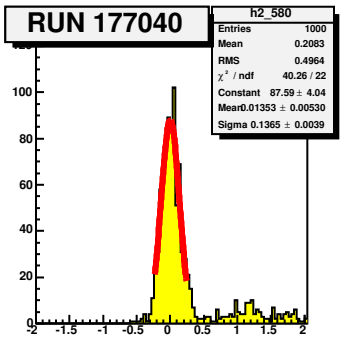

RUN 176811
h2_575
Entries 821
Mean 0.1929
RMS 0.5046
χ² / ndf 20.83 / 20
Constant 71.12 ± 3.71
Mean 0.00252 ± 0.00561
Sigma 0.1373 ± 0.0046

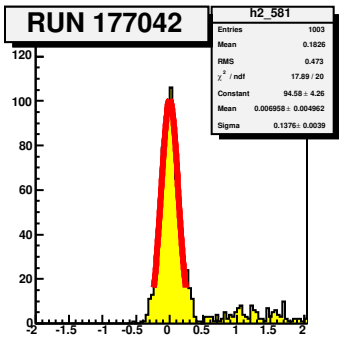

RUN 177029
h2_576
Entries 598
Mean 0.2145
RMS 0.5279
χ² / ndf 21.87 / 21
Constant 49.59 ± 3.08
Mean -0.003194 ± 0.006701
Sigma 0.1385 ± 0.0054

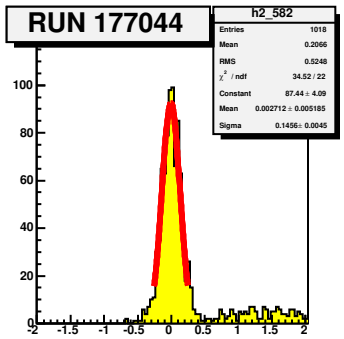

RUN 177031
h2_577
Entries 879
Mean 0.2169
RMS 0.5231
χ² / ndf 20.21 / 20
Constant 77.46 ± 3.87
Mean -0.0001708 ± 0.0053877
Sigma 0.1366 ± 0.0044

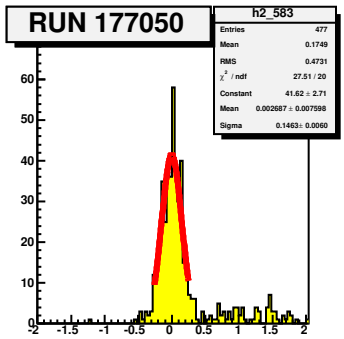

RUN 177033
h2_578
Entries 300
Mean 0.2367
RMS 0.5523
χ² / ndf 15.23 / 20
Constant 22.38 ± 2.02
Mean 0.01389 ± 0.01088
Sigma 0.1519 ± 0.0095

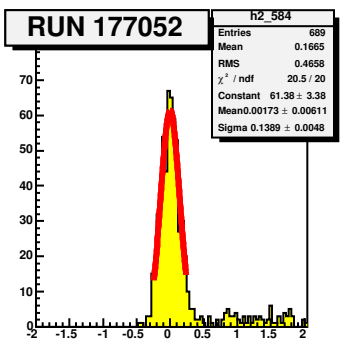

RUN 177038
h2_579
Entries 1180
Mean 0.2009
RMS 0.5052
χ² / ndf 18.76 / 21
Constant 107.2 ± 4.5
Mean 0.007586 ± 0.004721
Sigma 0.1429 ± 0.0039

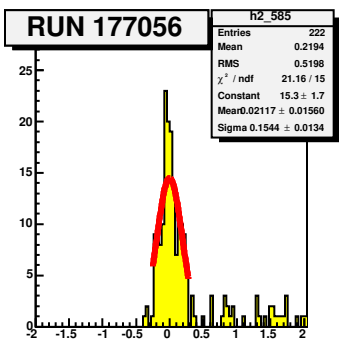

RUN 177040
h2_580
Entries 1000
Mean 0.2083
RMS 0.4964
χ² / ndf 40.26 / 22
Constant 87.59 ± 4.04
Mean 0.01353 ± 0.00530
Sigma 0.1365 ± 0.0039

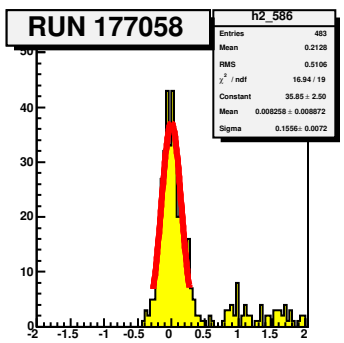

RUN 177042
h2_581
Entries 1003
Mean 0.1826
RMS 0.473
χ² / ndf 17.89 / 20
Constant 94.58 ± 4.26
Mean 0.006958 ± 0.004962
Sigma 0.1376 ± 0.0039

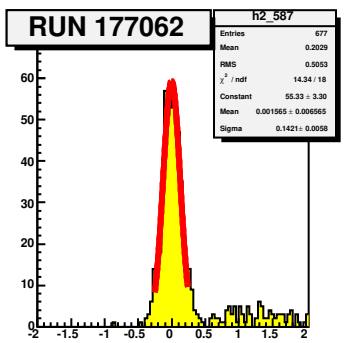

RUN 177044
h2_582
Entries 1018
Mean 0.2066
RMS 0.5248
χ² / ndf 34.52 / 22
Constant 87.44 ± 4.09
Mean 0.002712 ± 0.005185
Sigma 0.1456 ± 0.0045

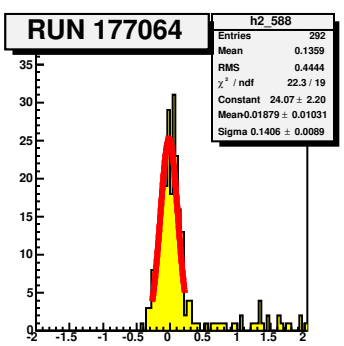

RUN 177050
h2_583
Entries 477
Mean 0.1749
RMS 0.4731
χ² / ndf 27.51 / 20
Constant 41.62 ± 2.71
Mean 0.002687 ± 0.007598
Sigma 0.1463 ± 0.0060

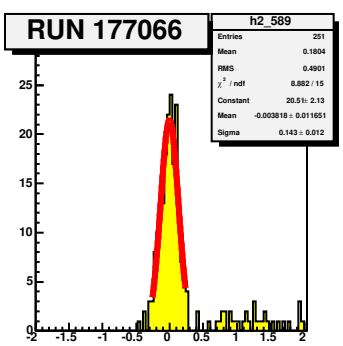

RUN 177052
h2_584
Entries 689
Mean 0.1665
RMS 0.4658
χ² / ndf 20.5 / 20
Constant 61.38 ± 3.38
Mean 0.00173 ± 0.00611
Sigma 0.1389 ± 0.0048

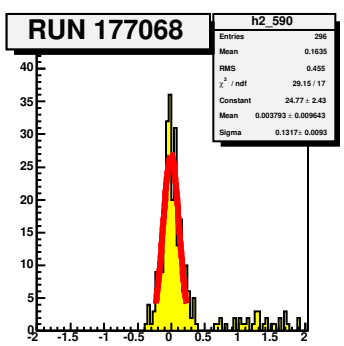

RUN 177056
h2_585
Entries 222
Mean 0.2194
RMS 0.5198
χ² / ndf 21.16 / 15
Constant 15.3 ± 1.7
Mean 0.02117 ± 0.01560
Sigma 0.1544 ± 0.0134

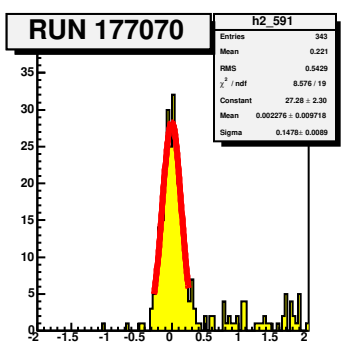

RUN 177058
h2_586
Entries 483
Mean 0.2128
RMS 0.5106
χ² / ndf 16.94 / 19
Constant 35.85 ± 2.50
Mean 0.008258 ± 0.008872
Sigma 0.1556 ± 0.0072

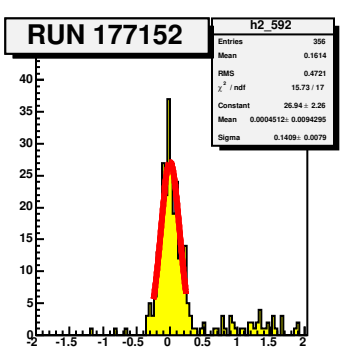

RUN 177062
h2_587
Entries 677
Mean 0.2029
RMS 0.5053
χ² / ndf 14.34 / 18
Constant 55.33 ± 3.30
Mean 0.001565 ± 0.006565
Sigma 0.1421 ± 0.0058

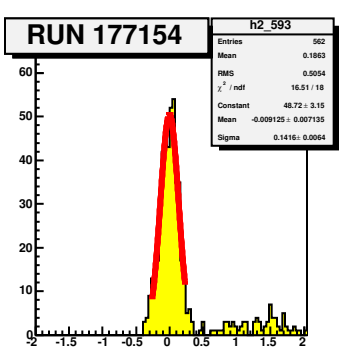

RUN 177064
h2_588
Entries 292
Mean 0.1359
RMS 0.4444
χ² / ndf 22.3 / 19
Constant 24.07 ± 2.20
Mean 0.01879 ± 0.01031
Sigma 0.1406 ± 0.0089

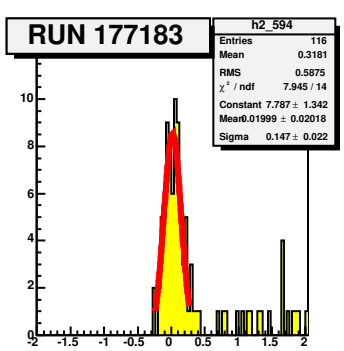

RUN 177066
h2_589
Entries 251
Mean 0.1804
RMS 0.4901
χ² / ndf 8.882 / 15
Constant 20.51 ± 2.13
Mean -0.003818 ± 0.011651
Sigma 0.143 ± 0.012

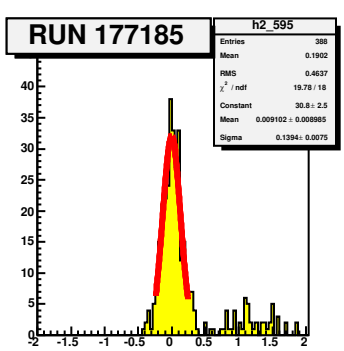

RUN 177068
h2_590
Entries 296
Mean 0.1635
RMS 0.455
χ² / ndf 29.15 / 17
Constant 24.77 ± 2.43
Mean 0.003793 ± 0.009643
Sigma 0.1317 ± 0.0093

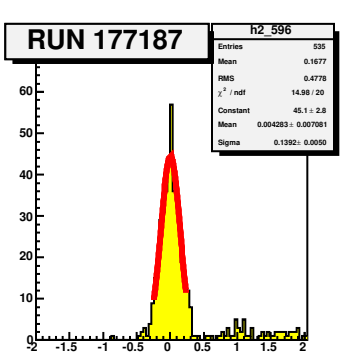

RUN 177070
h2_591
Entries 343
Mean 0.221
RMS 0.5429
χ² / ndf 8.576 / 19
Constant 27.28 ± 2.30
Mean 0.002276 ± 0.009718
Sigma 0.1478 ± 0.0089

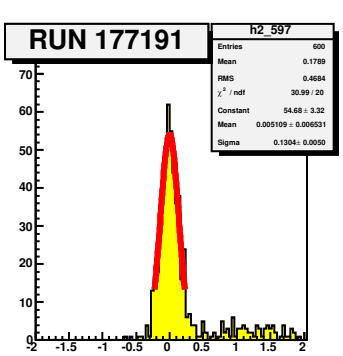

RUN 177152
h2_592
Entries 356
Mean 0.1614
RMS 0.4721
χ² / ndf 15.73 / 17
Constant 26.94 ± 2.26
Mean 0.0004512 ± 0.0094295
Sigma 0.1409 ± 0.0079

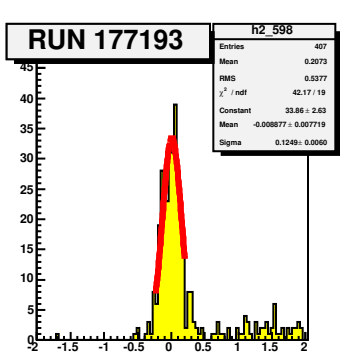

RUN 177154
h2_593
Entries 562
Mean 0.1863
RMS 0.5054
χ² / ndf 16.51 / 18
Constant 48.72 ± 3.15
Mean -0.009125 ± 0.007135
Sigma 0.1416 ± 0.0064

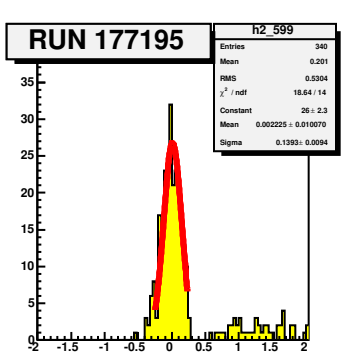

RUN 177183
h2_594
Entries 116
Mean 0.3181
RMS 0.5875
χ² / ndf 7.945 / 14
Constant 7.787 ± 1.342
Mean 0.01999 ± 0.02018
Sigma 0.147 ± 0.022

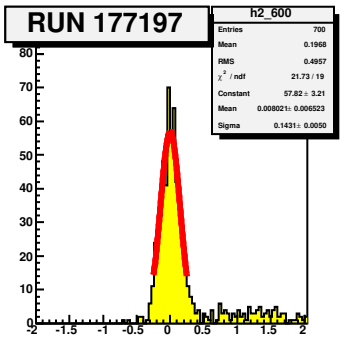

RUN 177185
h2_595
Entries 388
Mean 0.1902
RMS 0.4637
χ² / ndf 19.78 / 18
Constant 30.8 ± 2.5
Mean 0.009102 ± 0.008985
Sigma 0.1394 ± 0.0075

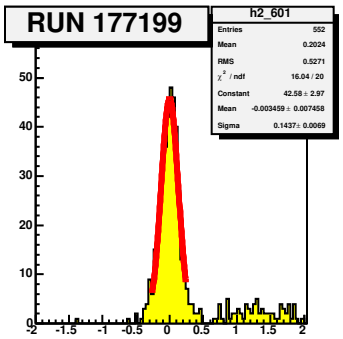

RUN 177187
h2_596
Entries 535
Mean 0.1677
RMS 0.4778
χ² / ndf 14.98 / 20
Constant 45.1 ± 2.8
Mean 0.004283 ± 0.007081
Sigma 0.1392 ± 0.0050

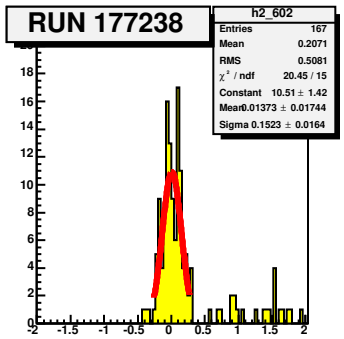

RUN 177191
h2_597
Entries 600
Mean 0.1789
RMS 0.4684
χ² / ndf 30.99 / 20
Constant 54.68 ± 3.32
Mean 0.005109 ± 0.006531
Sigma 0.1304 ± 0.0050

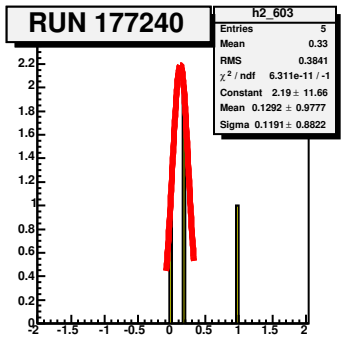

RUN 177193
h2_598
Entries 407
Mean 0.2073
RMS 0.5377
χ² / ndf 42.17 / 19
Constant 33.86 ± 2.63
Mean -0.008877 ± 0.007719
Sigma 0.1249 ± 0.0060

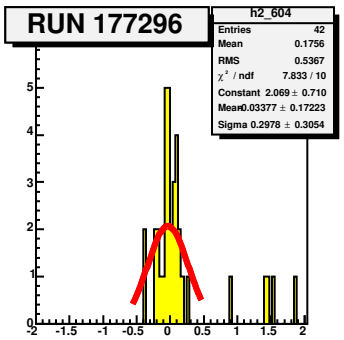

RUN 177195
h2_599
Entries 340
Mean 0.201
RMS 0.5304
χ² / ndf 18.64 / 14
Constant 26 ± 2.3
Mean 0.002225 ± 0.010070
Sigma 0.1393 ± 0.0094

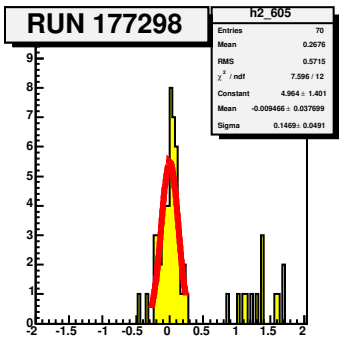

RUN 177197
h2_600
Entries 700
Mean 0.1968
RMS 0.4957
χ² / ndf 21.73 / 19
Constant 57.82 ± 3.21
Mean 0.008021 ± 0.006523
Sigma 0.1431 ± 0.0050

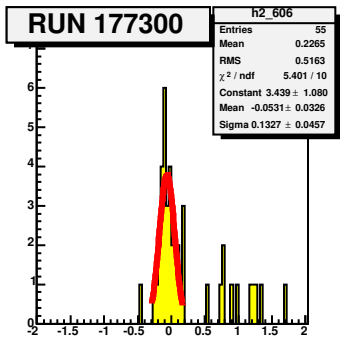

RUN 177199
h2_601
Entries 552
Mean 0.2024
RMS 0.5271
χ² / ndf 16.04 / 20
Constant 42.58 ± 2.97
Mean -0.003459 ± 0.007458
Sigma 0.1437 ± 0.0069

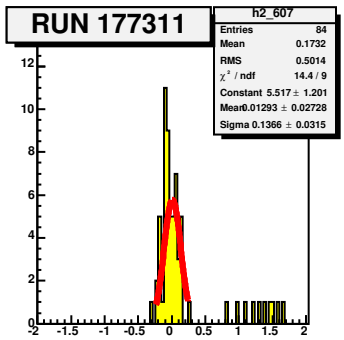

RUN 177238
h2_602
Entries 167
Mean 0.2071
RMS 0.5081
χ² / ndf 20.45 / 15
Constant 10.51 ± 1.42
Mean 0.01373 ± 0.01744
Sigma 0.1523 ± 0.0164

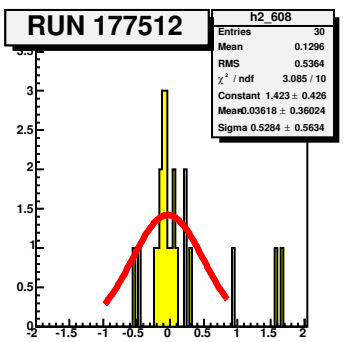

RUN 177240
h2_603
Entries 5
Mean 0.33
RMS 0.3841
χ² / ndf 6.311e-11 / -1
Constant 2.19 ± 11.66
Mean 0.1292 ± 0.9777
Sigma 0.1191 ± 0.8822

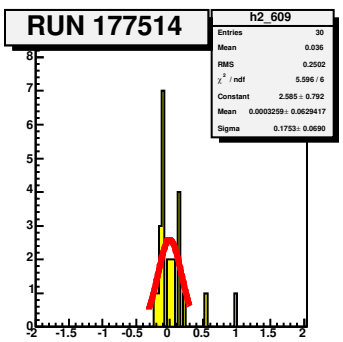

RUN 177296
h2_604
Entries 42
Mean 0.1756
RMS 0.5367
χ² / ndf 7.833 / 10
Constant 2.069 ± 0.710
Mean 0.03377 ± 0.17223
Sigma 0.2978 ± 0.3054

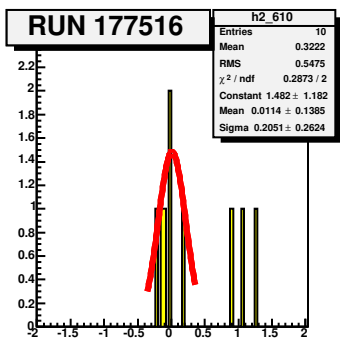

RUN 177298
h2_605
Entries 70
Mean 0.2676
RMS 0.5715
χ² / ndf 7.596 / 12
Constant 4.964 ± 1.401
Mean -0.009466 ± 0.037699
Sigma 0.1469 ± 0.0491

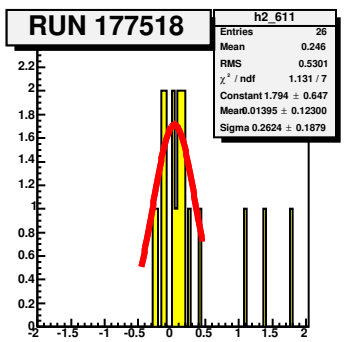

RUN 177300
h2_606
Entries 55
Mean 0.2265
RMS 0.5163
χ² / ndf 5.401 / 10
Constant 3.439 ± 1.080
Mean -0.0531 ± 0.0326
Sigma 0.1327 ± 0.0457

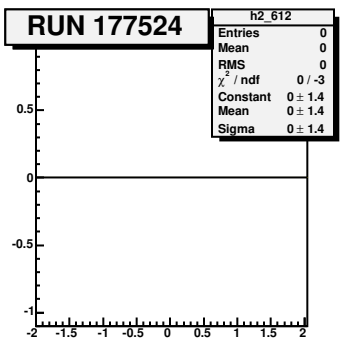

RUN 177311
h2_607
Entries 84
Mean 0.1732
RMS 0.5014
χ² / ndf 14.4 / 9
Constant 5.517 ± 1.201
Mean 0.01293 ± 0.02728
Sigma 0.1366 ± 0.0315

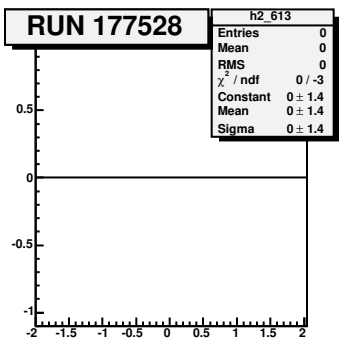

RUN 177512
h2_608
Entries 30
Mean 0.1296
RMS 0.5364
χ² / ndf 3.085 / 10
Constant 1.423 ± 0.426
Mean 0.03618 ± 0.36024
Sigma 0.5284 ± 0.5634

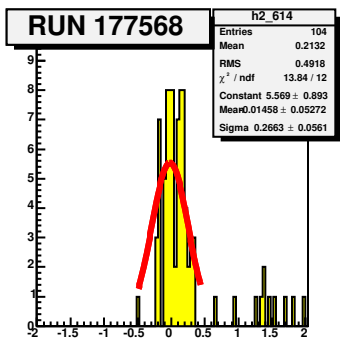

RUN 177514
h2_609
Entries 30
Mean 0.036
RMS 0.2502
χ² / ndf 5.596 / 6
Constant 2.585 ± 0.792
Mean 0.0003259 ± 0.0629417
Sigma 0.1753 ± 0.0690

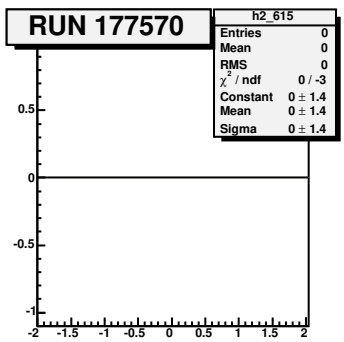

RUN 177516
h2_610
Entries 10
Mean 0.3222
RMS 0.5475
χ² / ndf 0.2873 / 2
Constant 1.482 ± 1.182
Mean 0.0114 ± 0.1385
Sigma 0.2051 ± 0.2624

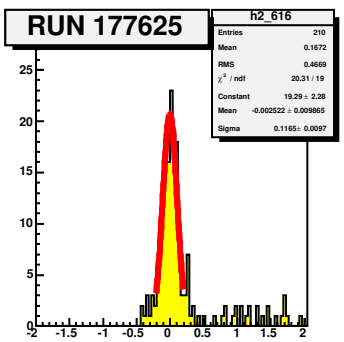

RUN 177518
h2_611
Entries 26
Mean 0.246
RMS 0.5301
χ² / ndf 1.131 / 7
Constant 1.794 ± 0.647
Mean 0.01395 ± 0.12300
Sigma 0.2624 ± 0.1879

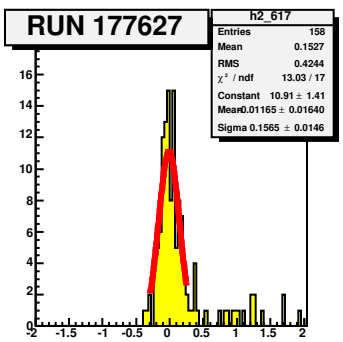

RUN 177524
h2_612
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

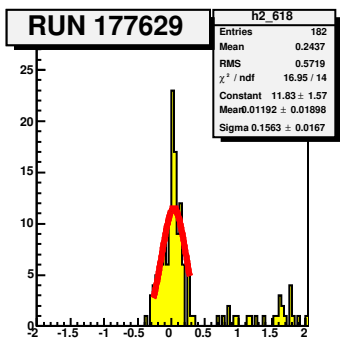

RUN 177528
h2_613
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

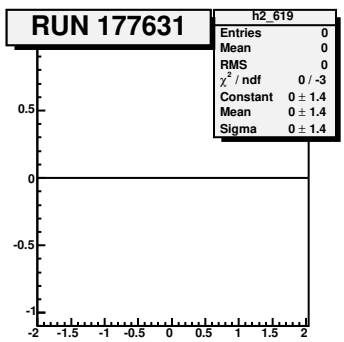

RUN 177568
h2_614
Entries 104
Mean 0.2132
RMS 0.4918
χ² / ndf 13.84 / 12
Constant 5.569 ± 0.893
Mean 0.01458 ± 0.05272
Sigma 0.2663 ± 0.0561

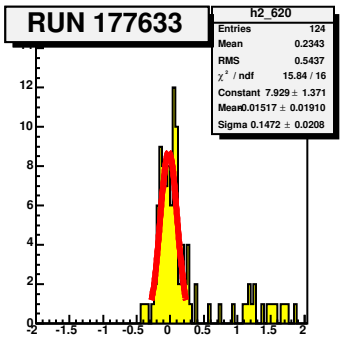

RUN 177570
h2_615
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

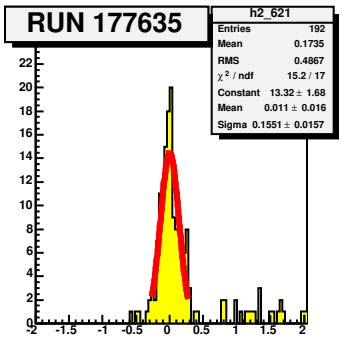

RUN 177625
h2_616
Entries 210
Mean 0.1672
RMS 0.4669
χ² / ndf 20.31 / 19
Constant 19.29 ± 2.28
Mean -0.002522 ± 0.009865
Sigma 0.1165 ± 0.0097

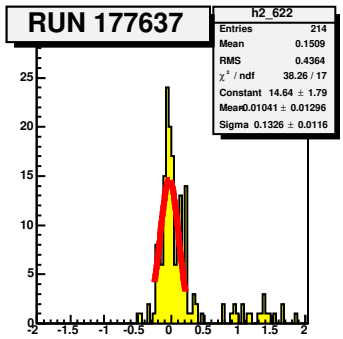

RUN 177627
h2_617
Entries 158
Mean 0.1527
RMS 0.4244
χ² / ndf 13.03 / 17
Constant 10.91 ± 1.41
Mean 0.01165 ± 0.01640
Sigma 0.1565 ± 0.0146

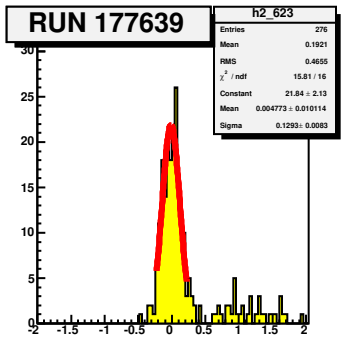

RUN 177629
h2_618
Entries 182
Mean 0.2437
RMS 0.5719
χ² / ndf 16.95 / 14
Constant 11.83 ± 1.57
Mean 0.01192 ± 0.01898
Sigma 0.1563 ± 0.0167

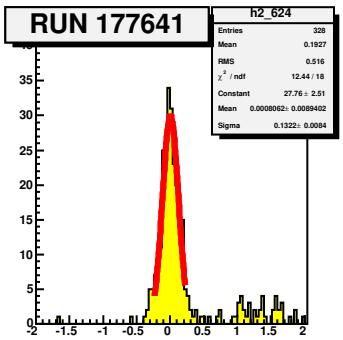

RUN 177631
h2_619
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

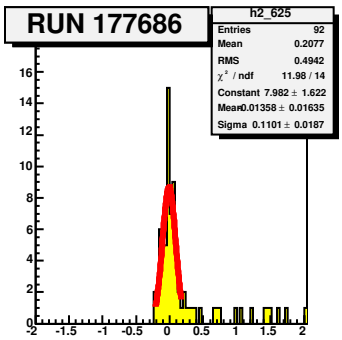

RUN 177633
h2_620
Entries 124
Mean 0.2343
RMS 0.5437
χ² / ndf 15.84 / 16
Constant 7.929 ± 1.371
Mean 0.01517 ± 0.01910
Sigma 0.1472 ± 0.0208

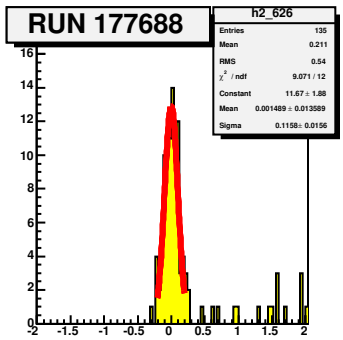

RUN 177635
h2_621
Entries 192
Mean 0.1735
RMS 0.4867
χ² / ndf 15.2 / 17
Constant 13.32 ± 1.68
Mean 0.011 ± 0.016
Sigma 0.1551 ± 0.0157

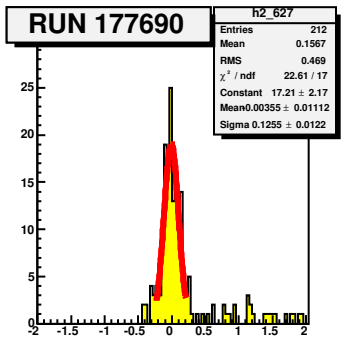

RUN 177637
h2_622
Entries 214
Mean 0.1509
RMS 0.4364
χ² / ndf 38.26 / 17
Constant 14.64 ± 1.79
Mean 0.01041 ± 0.01296
Sigma 0.1326 ± 0.0116

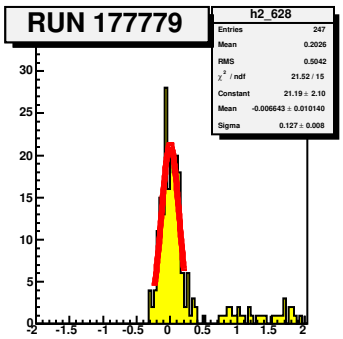

RUN 177639
h2_623
Entries 276
Mean 0.1921
RMS 0.4655
χ² / ndf 15.81 / 16
Constant 21.84 ± 2.13
Mean 0.004773 ± 0.010114
Sigma 0.1293 ± 0.0083

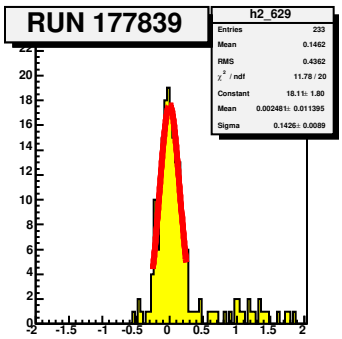

RUN 177641
h2_624
Entries 328
Mean 0.1927
RMS 0.516
χ² / ndf 12.44 / 18
Constant 27.76 ± 2.51
Mean 0.0008062 ± 0.0089402
Sigma 0.1322 ± 0.0084

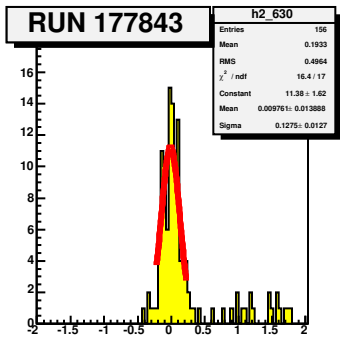

RUN 177686
h2_625
Entries 92
Mean 0.2077
RMS 0.4942
χ² / ndf 11.98 / 14
Constant 7.982 ± 1.622
Mean 0.01358 ± 0.01635
Sigma 0.1101 ± 0.0187

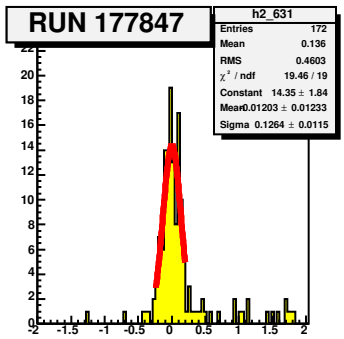

RUN 177688
h2_626
Entries 135
Mean 0.211
RMS 0.54
χ² / ndf 9.071 / 12
Constant 11.67 ± 1.88
Mean 0.001489 ± 0.013589
Sigma 0.1158 ± 0.0156

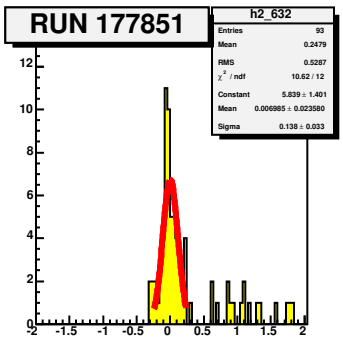

RUN 177690
h2_627
Entries 212
Mean 0.1567
RMS 0.469
χ² / ndf 22.61 / 17
Constant 17.21 ± 2.17
Mean 0.00355 ± 0.01112
Sigma 0.1255 ± 0.0122

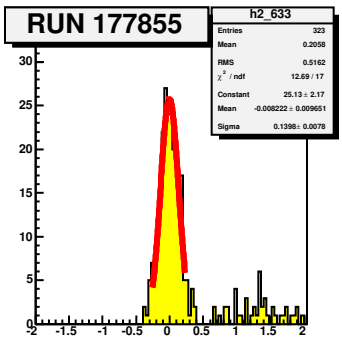

RUN 177779
h2_628
Entries 247
Mean 0.2026
RMS 0.5042
χ² / ndf 21.52 / 15
Constant 21.19 ± 2.10
Mean -0.006643 ± 0.010140
Sigma 0.127 ± 0.008

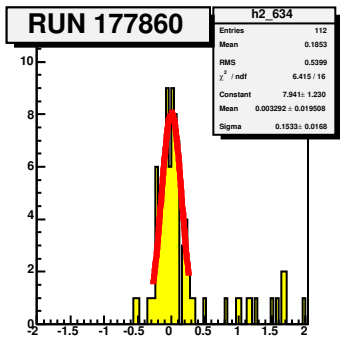

RUN 177839
h2_629
Entries 233
Mean 0.1462
RMS 0.4362
χ² / ndf 11.78 / 20
Constant 18.11 ± 1.80
Mean 0.002481 ± 0.011395
Sigma 0.1426 ± 0.0089

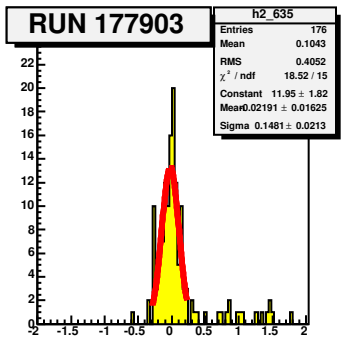

RUN 177843
h2_630
Entries 156
Mean 0.1933
RMS 0.4964
χ² / ndf 16.4 / 17
Constant 11.38 ± 1.62
Mean 0.009761 ± 0.013888
Sigma 0.1275 ± 0.0127

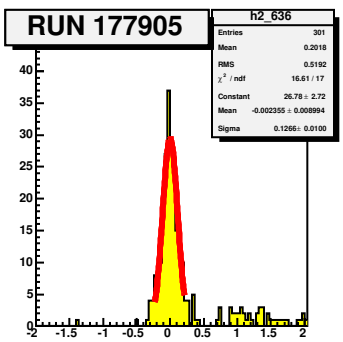

RUN 177847
h2_631
Entries 172
Mean 0.136
RMS 0.4603
χ² / ndf 19.46 / 19
Constant 14.35 ± 1.84
Mean 0.01203 ± 0.01233
Sigma 0.1264 ± 0.0115

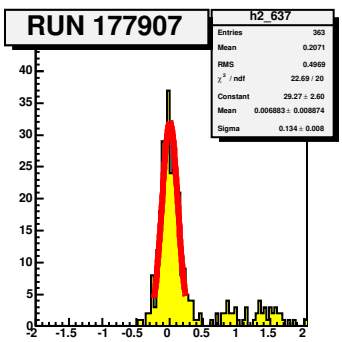

RUN 177851
h2_632
Entries 93
Mean 0.2479
RMS 0.5287
χ² / ndf 10.62 / 12
Constant 5.839 ± 1.401
Mean 0.006985 ± 0.023580
Sigma 0.138 ± 0.033

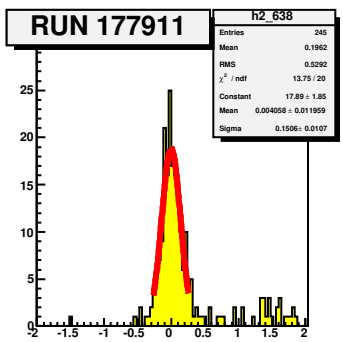

RUN 177855
h2_633
Entries 323
Mean 0.2058
RMS 0.5162
χ² / ndf 12.69 / 17
Constant 25.13 ± 2.17
Mean -0.008222 ± 0.009651
Sigma 0.1398 ± 0.0078

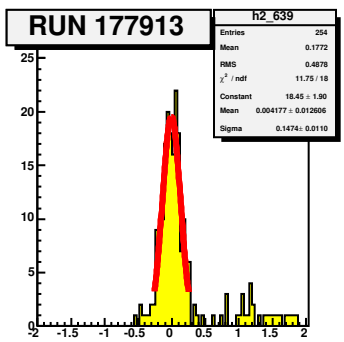

RUN 177860
h2_634
Entries 112
Mean 0.1853
RMS 0.5399
χ² / ndf 6.415 / 16
Constant 7.941 ± 1.230
Mean 0.003292 ± 0.019508
Sigma 0.1533 ± 0.0168

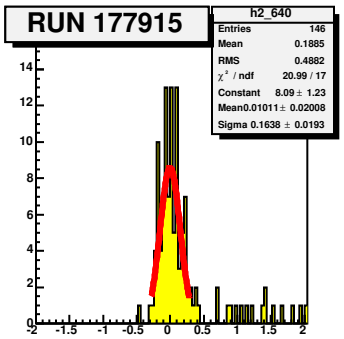

RUN 177903
h2_635
Entries 176
Mean 0.1043
RMS 0.4052
χ² / ndf 18.52 / 15
Constant 11.95 ± 1.82
Mean 0.02191 ± 0.01625
Sigma 0.1481 ± 0.0213

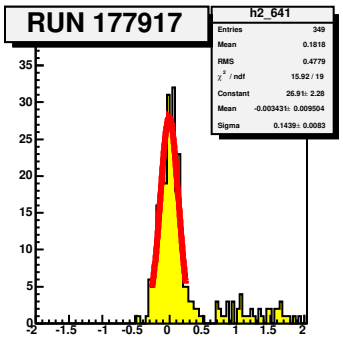

RUN 177905
h2_636
Entries 301
Mean 0.2018
RMS 0.5192
χ² / ndf 16.61 / 17
Constant 26.78 ± 2.72
Mean -0.002355 ± 0.008994
Sigma 0.1266 ± 0.0100

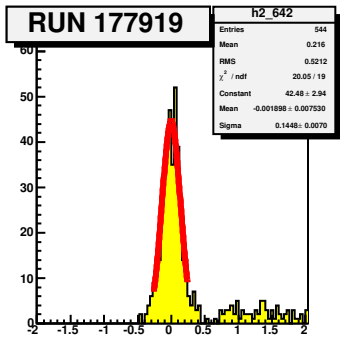

RUN 177907
h2_637
Entries 363
Mean 0.2071
RMS 0.4969
χ² / ndf 22.69 / 20
Constant 29.27 ± 2.60
Mean 0.006883 ± 0.008874
Sigma 0.134 ± 0.008

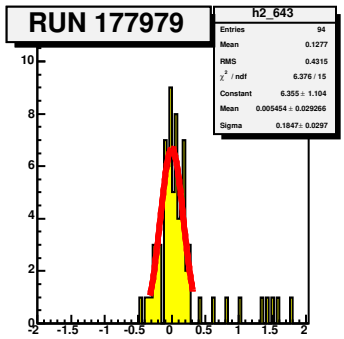

RUN 177911
h2_638
Entries 245
Mean 0.1962
RMS 0.5292
χ² / ndf 13.75 / 20
Constant 17.89 ± 1.85
Mean 0.004058 ± 0.011959
Sigma 0.1506 ± 0.0107

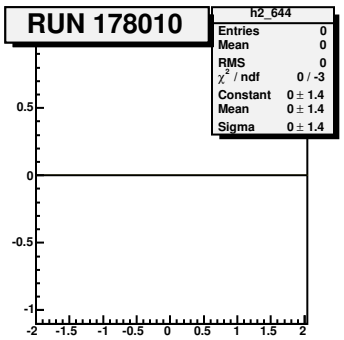

RUN 177913
h2_639
Entries 254
Mean 0.1772
RMS 0.4878
χ² / ndf 11.75 / 18
Constant 18.45 ± 1.90
Mean 0.004177 ± 0.012606
Sigma 0.1474 ± 0.0110

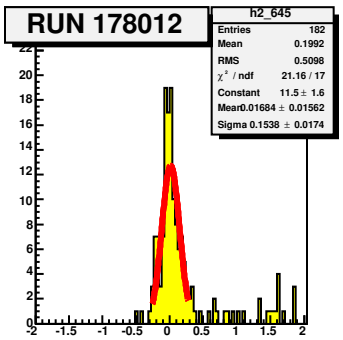

RUN 177915
h2_640
Entries 146
Mean 0.1885
RMS 0.4882
χ² / ndf 20.99 / 17
Constant 8.09 ± 1.23
Mean 0.01011 ± 0.02008
Sigma 0.1638 ± 0.0193

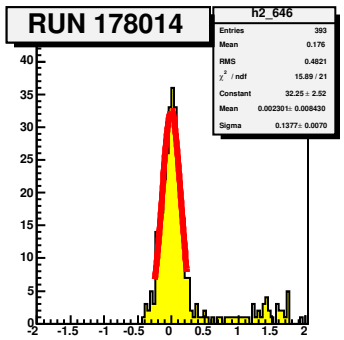

RUN 177917
h2_641
Entries 349
Mean 0.1818
RMS 0.4779
χ² / ndf 15.92 / 19
Constant 26.91 ± 2.28
Mean -0.003431 ± 0.009504
Sigma 0.1439 ± 0.0083

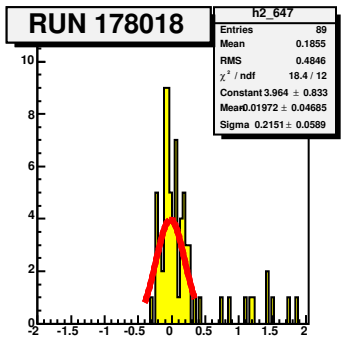

RUN 177919
h2_642
Entries 544
Mean 0.216
RMS 0.5212
χ² / ndf 20.05 / 19
Constant 42.48 ± 2.94
Mean -0.001898 ± 0.007530
Sigma 0.1448 ± 0.0070

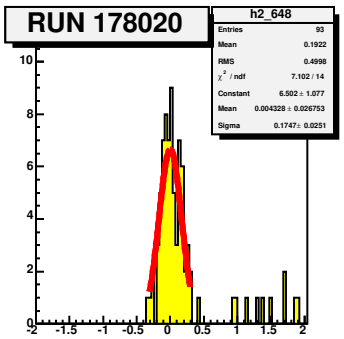

RUN 177979
h2_643
Entries 94
Mean 0.1277
RMS 0.4315
χ² / ndf 6.376 / 15
Constant 6.355 ± 1.104
Mean 0.005454 ± 0.029266
Sigma 0.1847 ± 0.0297

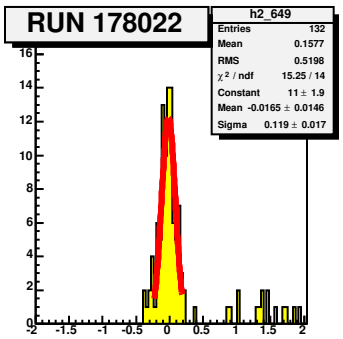

RUN 178010
h2_644
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

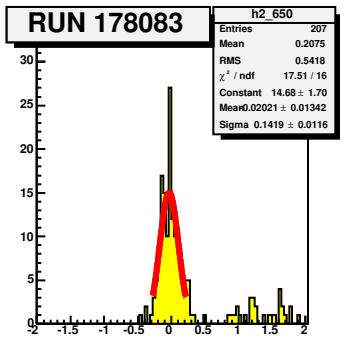

RUN 178012
h2_645
Entries 182
Mean 0.1992
RMS 0.5098
χ² / ndf 21.16 / 17
Constant 11.5 ± 1.6
Mean 0.01684 ± 0.01562
Sigma 0.1538 ± 0.0174

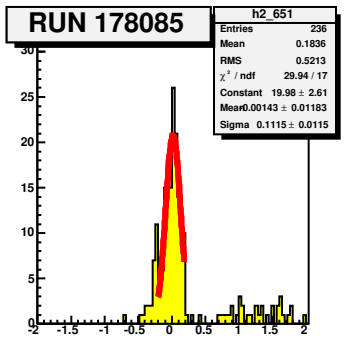

RUN 178014
h2_646
Entries 393
Mean 0.176
RMS 0.4821
χ² / ndf 15.89 / 21
Constant 32.25 ± 2.52
Mean 0.002301 ± 0.008430
Sigma 0.1377 ± 0.0070

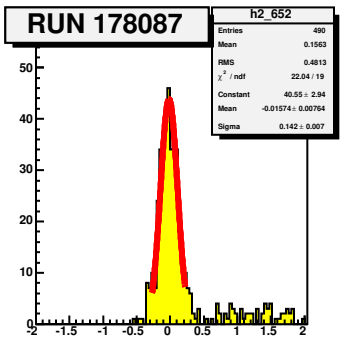

RUN 178018
h2_647
Entries 89
Mean 0.1855
RMS 0.4846
χ² / ndf 18.4 / 12
Constant 3.964 ± 0.833
Mean 0.01972 ± 0.04685
Sigma 0.2151 ± 0.0589

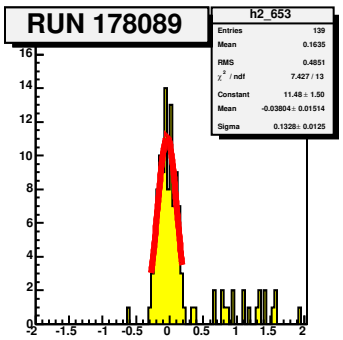

RUN 178020
h2_648
Entries 93
Mean 0.1922
RMS 0.4998
χ² / ndf 7.102 / 14
Constant 6.502 ± 1.077
Mean 0.004328 ± 0.026753
Sigma 0.1747 ± 0.0251

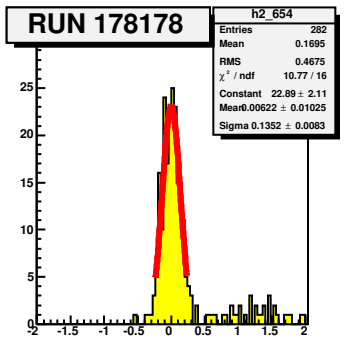

RUN 178022
h2_649
Entries 132
Mean 0.1577
RMS 0.5198
χ² / ndf 15.25 / 14
Constant 11 ± 1.9
Mean -0.0165 ± 0.0146
Sigma 0.119 ± 0.017

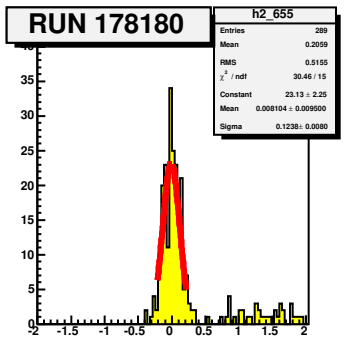

RUN 178083
h2_650
Entries 207
Mean 0.2075
RMS 0.5418
χ² / ndf 17.51 / 16
Constant 14.68 ± 1.70
Mean 0.02021 ± 0.01342
Sigma 0.1419 ± 0.0116

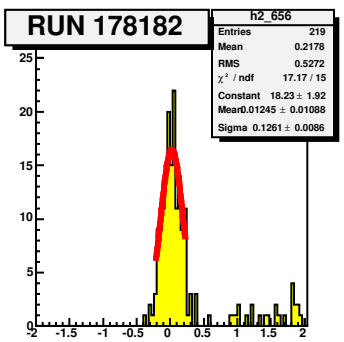

RUN 178085
h2_651
Entries 236
Mean 0.1836
RMS 0.5213
χ² / ndf 29.94 / 17
Constant 19.98 ± 2.61
Mean 0.00143 ± 0.01183
Sigma 0.1115 ± 0.0115

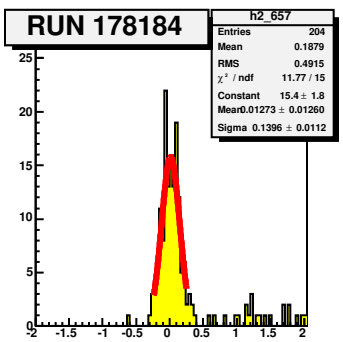

RUN 178087
h2_652
Entries 490
Mean 0.1563
RMS 0.4813
χ² / ndf 22.04 / 19
Constant 40.55 ± 2.94
Mean -0.01574 ± 0.00764
Sigma 0.142 ± 0.007

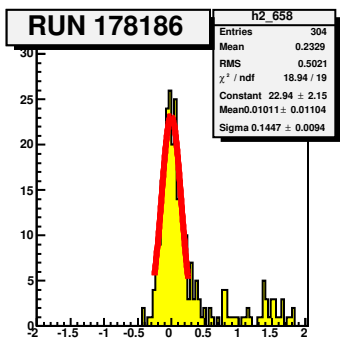

RUN 178089
h2_653
Entries 139
Mean 0.1635
RMS 0.4851
χ² / ndf 7.427 / 13
Constant 11.48 ± 1.50
Mean -0.03804 ± 0.01514
Sigma 0.1328 ± 0.0125

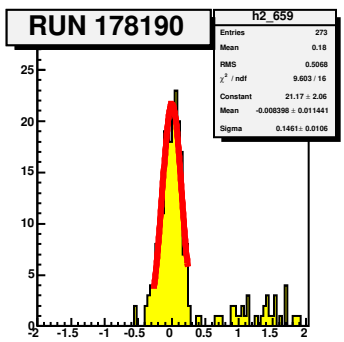

RUN 178178
h2_654
Entries 282
Mean 0.1695
RMS 0.4675
χ² / ndf 10.77 / 16
Constant 22.89 ± 2.11
Mean 0.00622 ± 0.01025
Sigma 0.1352 ± 0.0083

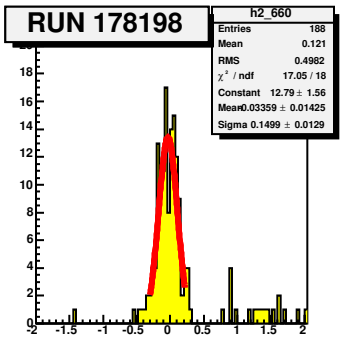

RUN 178180
h2_655
Entries 289
Mean 0.2059
RMS 0.5155
χ² / ndf 30.46 / 15
Constant 23.13 ± 2.25
Mean 0.008104 ± 0.009500
Sigma 0.1238 ± 0.0080

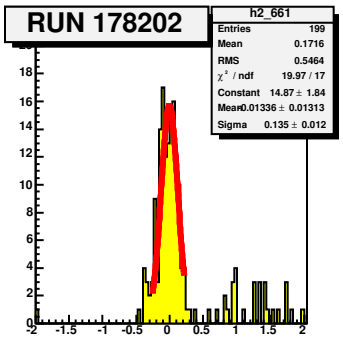

RUN 178182
h2_656
Entries 219
Mean 0.2178
RMS 0.5272
χ² / ndf 17.17 / 15
Constant 18.23 ± 1.92
Mean 0.01245 ± 0.01088
Sigma 0.1261 ± 0.0086

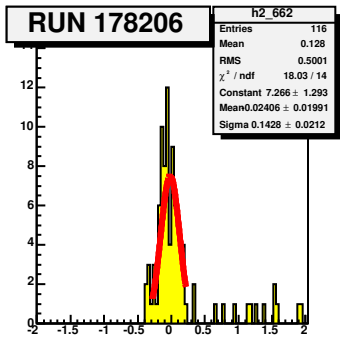

RUN 178184
h2_657
Entries 204
Mean 0.1879
RMS 0.4915
χ² / ndf 11.77 / 15
Constant 15.4 ± 1.8
Mean 0.01273 ± 0.01260
Sigma 0.1396 ± 0.0112

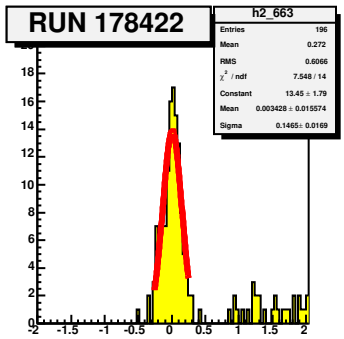

RUN 178186
h2_658
Entries 304
Mean 0.2329
RMS 0.5021
χ² / ndf 18.94 / 19
Constant 22.94 ± 2.15
Mean 0.01011 ± 0.01104
Sigma 0.1447 ± 0.0094

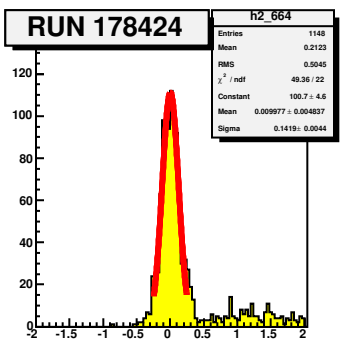

RUN 178190
h2_659
Entries 273
Mean 0.18
RMS 0.5068
χ² / ndf 9.603 / 16
Constant 21.17 ± 2.06
Mean -0.008398 ± 0.011441
Sigma 0.1461 ± 0.0106

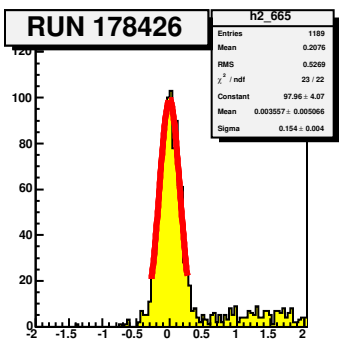

RUN 178198
h2_660
Entries 188
Mean 0.121
RMS 0.4982
χ² / ndf 17.05 / 18
Constant 12.79 ± 1.56
Mean 0.03359 ± 0.01425
Sigma 0.1499 ± 0.0129

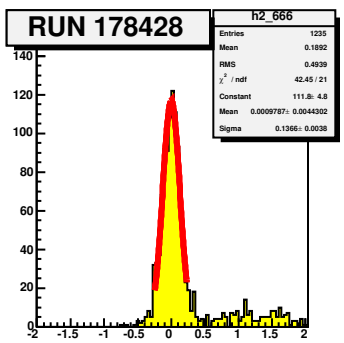

RUN 178202
h2_661
Entries 199
Mean 0.1716
RMS 0.5464
χ² / ndf 19.97 / 17
Constant 14.87 ± 1.84
Mean 0.01336 ± 0.01313
Sigma 0.135 ± 0.012

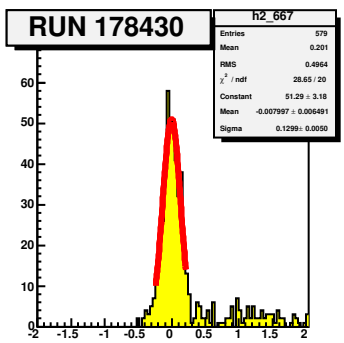

RUN 178206
h2_662
Entries 116
Mean 0.128
RMS 0.5001
χ² / ndf 18.03 / 14
Constant 7.266 ± 1.293
Mean 0.02406 ± 0.01991
Sigma 0.1428 ± 0.0212

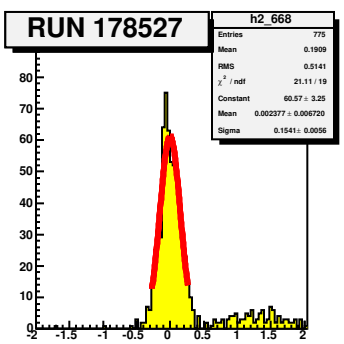

RUN 178422
h2_663
Entries 196
Mean 0.272
RMS 0.6066
χ² / ndf 7.548 / 14
Constant 13.45 ± 1.79
Mean 0.003428 ± 0.015574
Sigma 0.1465 ± 0.0169

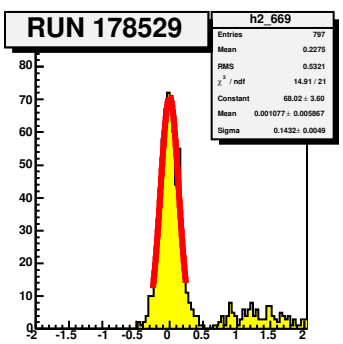

RUN 178424
h2_664
Entries 1148
Mean 0.2123
RMS 0.5045
χ² / ndf 49.36 / 22
Constant 100.7 ± 4.6
Mean 0.009977 ± 0.004837
Sigma 0.1419 ± 0.0044

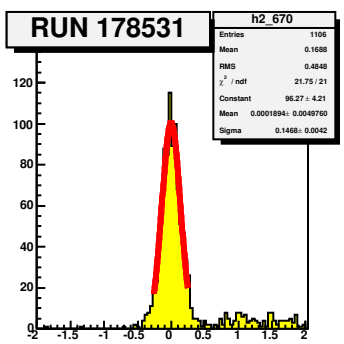

RUN 178426
h2_665
Entries 1189
Mean 0.2076
RMS 0.5269
χ² / ndf 23 / 22
Constant 97.96 ± 4.07
Mean 0.003557 ± 0.005066
Sigma 0.154 ± 0.004

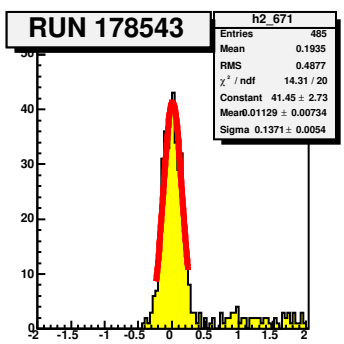

RUN 178428
h2_666
Entries 1235
Mean 0.1892
RMS 0.4939
χ² / ndf 42.45 / 21
Constant 111.8 ± 4.8
Mean 0.0009787 ± 0.0044302
Sigma 0.1366 ± 0.0038

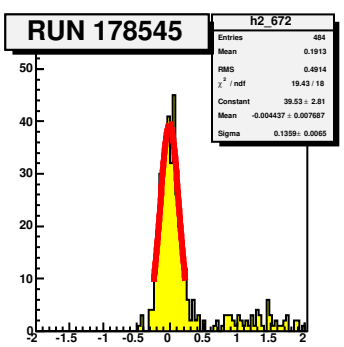

RUN 178430
h2_667
Entries 579
Mean 0.201
RMS 0.4964
χ² / ndf 28.65 / 20
Constant 51.29 ± 3.18
Mean -0.007997 ± 0.006491
Sigma 0.1299 ± 0.0050

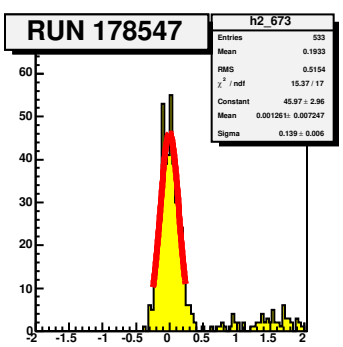

RUN 178527
h2_668
Entries 775
Mean 0.1909
RMS 0.5141
χ² / ndf 21.11 / 19
Constant 60.57 ± 3.25
Mean 0.002377 ± 0.006720
Sigma 0.1541 ± 0.0056

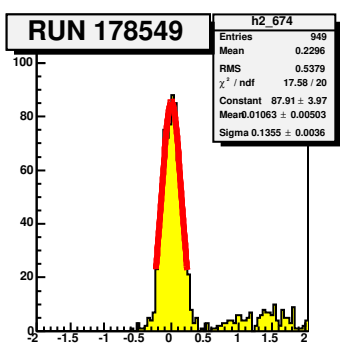

RUN 178529
h2_669
Entries 797
Mean 0.2275
RMS 0.5321
χ² / ndf 14.91 / 21
Constant 68.02 ± 3.60
Mean 0.001077 ± 0.005867
Sigma 0.1432 ± 0.0049

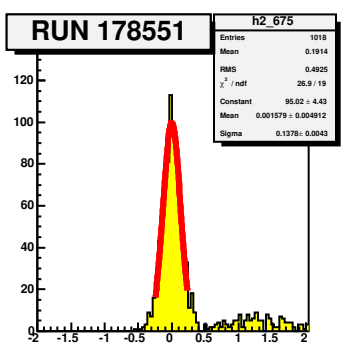

RUN 178531
h2_670
Entries 1106
Mean 0.1688
RMS 0.4848
χ² / ndf 21.75 / 21
Constant 96.27 ± 4.21
Mean 0.0001894 ± 0.0049760
Sigma 0.1468 ± 0.0042

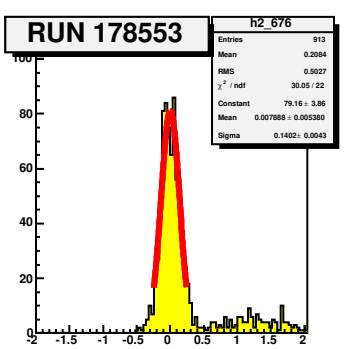

RUN 178543
h2_671
Entries 485
Mean 0.1935
RMS 0.4877
χ² / ndf 14.31 / 20
Constant 41.45 ± 2.73
Mean 0.01129 ± 0.00734
Sigma 0.1371 ± 0.0054

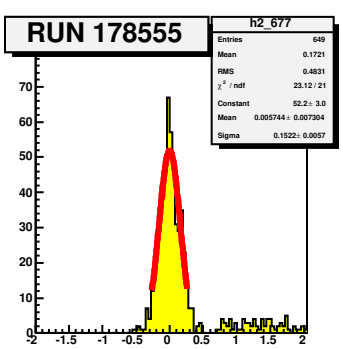

RUN 178545
h2_672
Entries 484
Mean 0.1913
RMS 0.4914
χ² / ndf 19.43 / 18
Constant 39.53 ± 2.81
Mean -0.004437 ± 0.007687
Sigma 0.1359 ± 0.0065

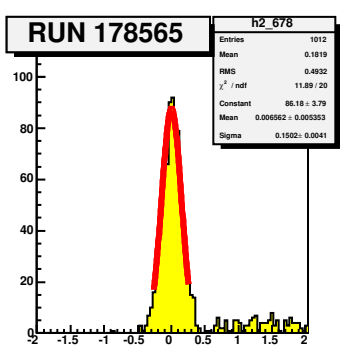

RUN 178547
h2_673
Entries 533
Mean 0.1933
RMS 0.5154
χ² / ndf 15.37 / 17
Constant 45.97 ± 2.96
Mean 0.001261 ± 0.007247
Sigma 0.139 ± 0.006

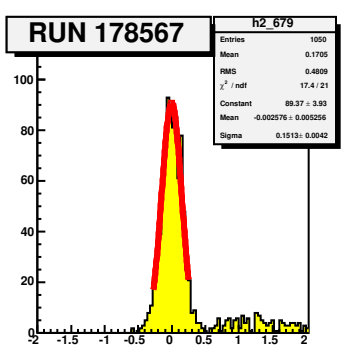

RUN 178549
h2_674
Entries 949
Mean 0.2296
RMS 0.5379
χ² / ndf 17.58 / 20
Constant 87.91 ± 3.97
Mean 0.01063 ± 0.00503
Sigma 0.1355 ± 0.0036

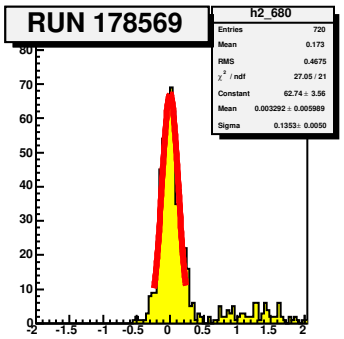

RUN 178551
h2_675
Entries 1018
Mean 0.1914
RMS 0.4925
χ² / ndf 26.9 / 19
Constant 95.02 ± 4.43
Mean 0.001579 ± 0.004912
Sigma 0.1378 ± 0.0043

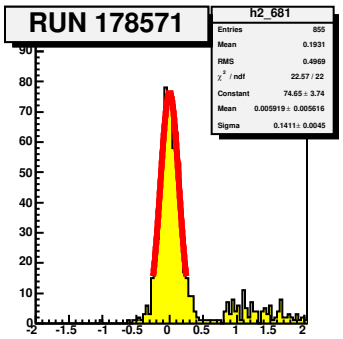

RUN 178553
h2_676
Entries 913
Mean 0.2084
RMS 0.5027
χ² / ndf 30.05 / 22
Constant 79.16 ± 3.86
Mean 0.007888 ± 0.005380
Sigma 0.1402 ± 0.0043

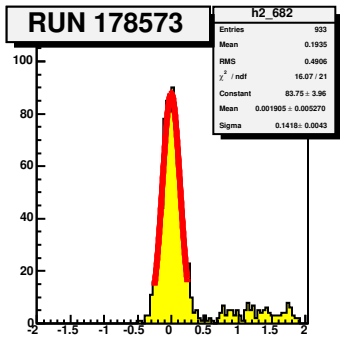

RUN 178555
h2_677
Entries 649
Mean 0.1721
RMS 0.4831
χ² / ndf 23.12 / 21
Constant 52.2 ± 3.0
Mean 0.005744 ± 0.007304
Sigma 0.1522 ± 0.0057

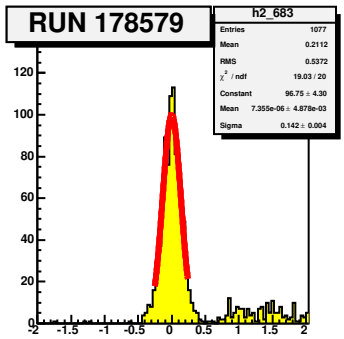

RUN 178565
h2_678
Entries 1012
Mean 0.1819
RMS 0.4932
χ² / ndf 11.89 / 20
Constant 86.18 ± 3.79
Mean 0.006562 ± 0.005353
Sigma 0.1502 ± 0.0041

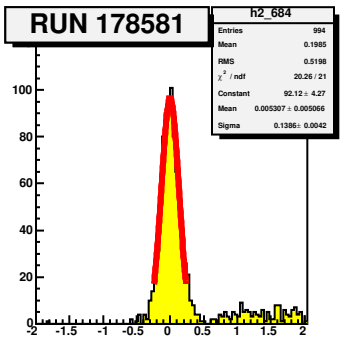

RUN 178567
h2_679
Entries 1050
Mean 0.1705
RMS 0.4809
χ² / ndf 17.4 / 21
Constant 89.37 ± 3.93
Mean -0.002576 ± 0.005256
Sigma 0.1513 ± 0.0042

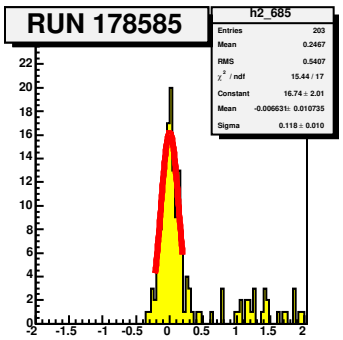

RUN 178569
h2_680
Entries 720
Mean 0.173
RMS 0.4675
χ² / ndf 27.05 / 21
Constant 62.74 ± 3.56
Mean 0.003292 ± 0.005989
Sigma 0.1353 ± 0.0050

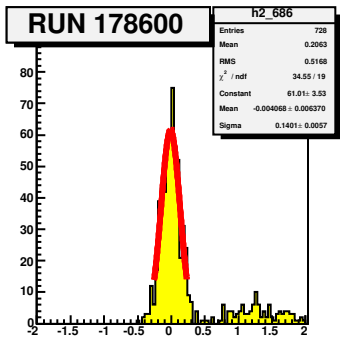

RUN 178571
h2_681
Entries 855
Mean 0.1931
RMS 0.4969
χ² / ndf 22.57 / 22
Constant 74.65 ± 3.74
Mean 0.005919 ± 0.005616
Sigma 0.1411 ± 0.0045

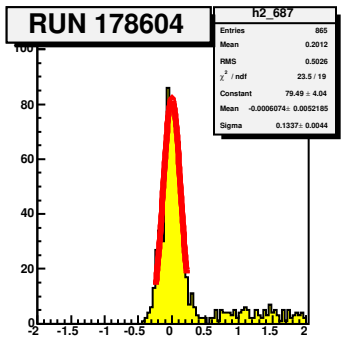

RUN 178573
h2_682
Entries 933
Mean 0.1935
RMS 0.4906
χ² / ndf 16.07 / 21
Constant 83.75 ± 3.96
Mean 0.001905 ± 0.005270
Sigma 0.1418 ± 0.0043

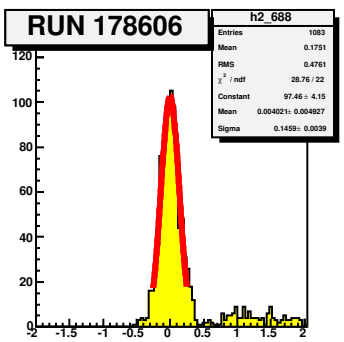

RUN 178579
h2_683
Entries 1077
Mean 0.2112
RMS 0.5372
χ² / ndf 19.03 / 20
Constant 96.75 ± 4.30
Mean 7.355e-06 ± 4.878e-03
Sigma 0.142 ± 0.004

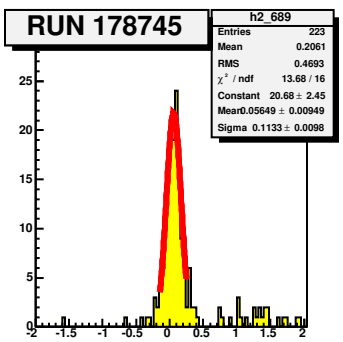

RUN 178581
h2_684
Entries 994
Mean 0.1985
RMS 0.5198
χ² / ndf 20.26 / 21
Constant 92.12 ± 4.27
Mean 0.005307 ± 0.005066
Sigma 0.1386 ± 0.0042

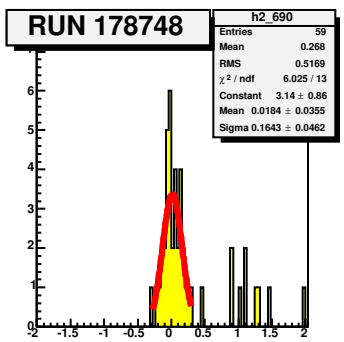

RUN 178585
h2_685
Entries 203
Mean 0.2467
RMS 0.5407
χ² / ndf 15.44 / 17
Constant 16.74 ± 2.01
Mean -0.006631 ± 0.010735
Sigma 0.118 ± 0.010

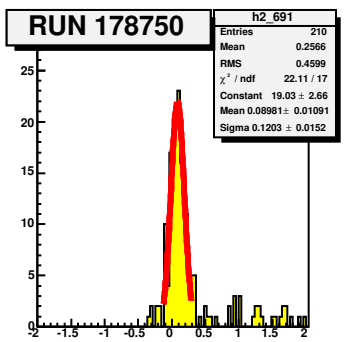

RUN 178600
h2_686
Entries 728
Mean 0.2063
RMS 0.5168
χ² / ndf 34.55 / 19
Constant 61.01 ± 3.53
Mean -0.004068 ± 0.006370
Sigma 0.1401 ± 0.0057

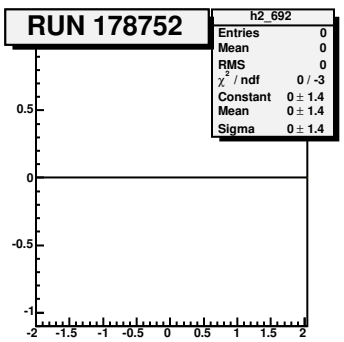

RUN 178604
h2_687
Entries 865
Mean 0.2012
RMS 0.5026
χ² / ndf 23.5 / 19
Constant 79.49 ± 4.04
Mean -0.0006074 ± 0.0052185
Sigma 0.1337 ± 0.0044

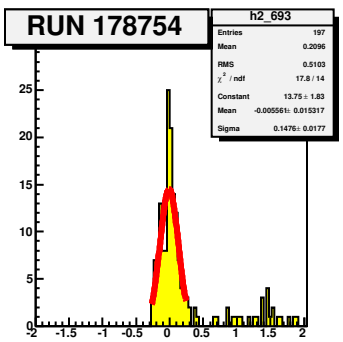

RUN 178606
h2_688
Entries 1083
Mean 0.1751
RMS 0.4761
χ² / ndf 28.76 / 22
Constant 97.46 ± 4.15
Mean 0.004021 ± 0.004927
Sigma 0.1459 ± 0.0039

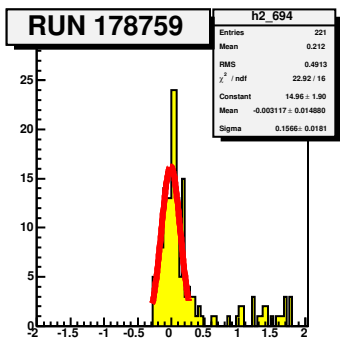

RUN 178745
h2_689
Entries 223
Mean 0.2061
RMS 0.4693
χ² / ndf 13.68 / 16
Constant 20.68 ± 2.45
Mean 0.05649 ± 0.00949
Sigma 0.1133 ± 0.0098

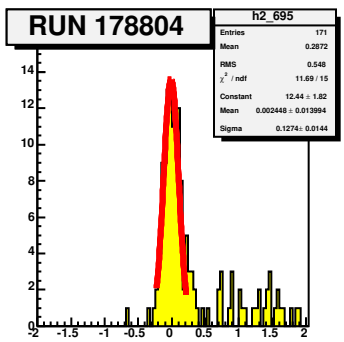

RUN 178748
h2_690
Entries 59
Mean 0.268
RMS 0.5169
χ² / ndf 6.025 / 13
Constant 3.14 ± 0.86
Mean 0.0184 ± 0.0355
Sigma 0.1643 ± 0.0462

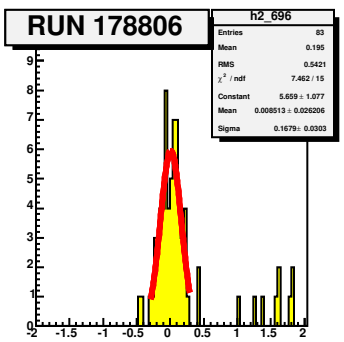

RUN 178750
h2_691
Entries 210
Mean 0.2566
RMS 0.4599
χ² / ndf 22.11 / 17
Constant 19.03 ± 2.66
Mean 0.08981 ± 0.01091
Sigma 0.1203 ± 0.0152

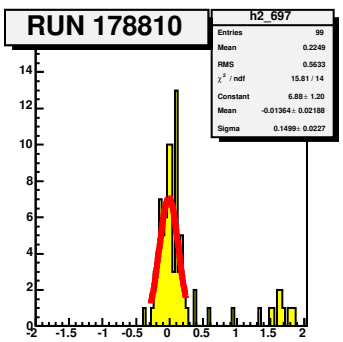

RUN 178752
h2_692
Entries 0
Mean 0
RMS 0
χ² / ndf 0 / -3
Constant 0 ± 1.4
Mean 0 ± 1.4
Sigma 0 ± 1.4

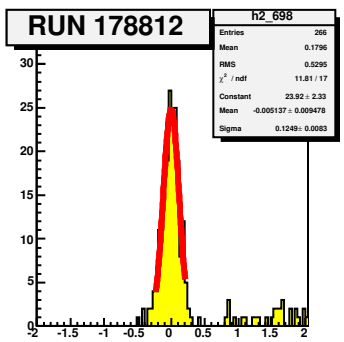

RUN 178754
h2_693
Entries 197
Mean 0.2096
RMS 0.5103
χ² / ndf 17.8 / 14
Constant 13.75 ± 1.83
Mean -0.005561 ± 0.015317
Sigma 0.1476 ± 0.0177

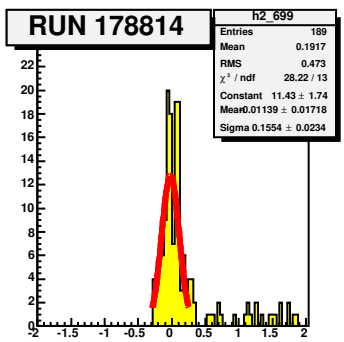

RUN 178759
h2_694
Entries 221
Mean 0.212
RMS 0.4913
χ² / ndf 22.92 / 16
Constant 14.96 ± 1.90
Mean -0.003117 ± 0.014880
Sigma 0.1566 ± 0.0181

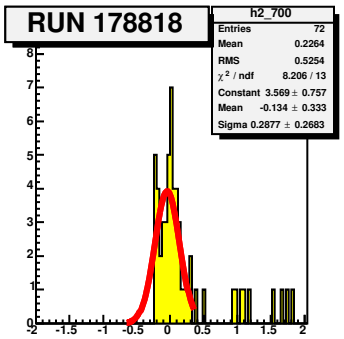

RUN 178804
h2_695
Entries 171
Mean 0.2872
RMS 0.548
χ² / ndf 11.69 / 15
Constant 12.44 ± 1.82
Mean 0.002448 ± 0.013994
Sigma 0.1274 ± 0.0144

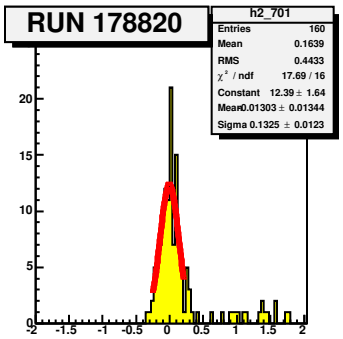

RUN 178806
h2_696
Entries 83
Mean 0.195
RMS 0.5421
χ² / ndf 7.462 / 15
Constant 5.659 ± 1.077
Mean 0.008513 ± 0.026206
Sigma 0.1679 ± 0.0303

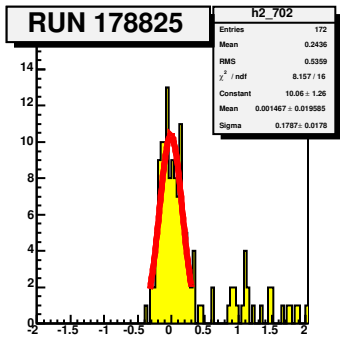

RUN 178810
h2_697
Entries 99
Mean 0.2249
RMS 0.5633
χ² / ndf 15.81 / 14
Constant 6.88 ± 1.20
Mean -0.01364 ± 0.02188
Sigma 0.1499 ± 0.0227

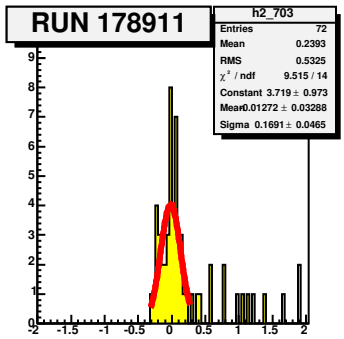

RUN 178812
h2_698
Entries 266
Mean 0.1796
RMS 0.5295
χ² / ndf 11.81 / 17
Constant 23.92 ± 2.33
Mean -0.005137 ± 0.009478
Sigma 0.1249 ± 0.0083

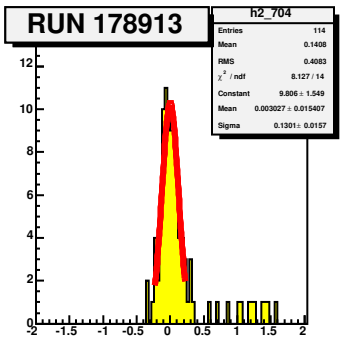

RUN 178814
h2_699
Entries 189
Mean 0.1917
RMS 0.473
χ² / ndf 28.22 / 13
Constant 11.43 ± 1.74
Mean 0.01139 ± 0.01718
Sigma 0.1554 ± 0.0234

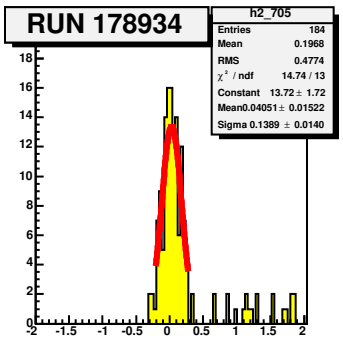

RUN 178818
h2_700
Entries 72
Mean 0.2264
RMS 0.5254
χ² / ndf 8.206 / 13
Constant 3.569 ± 0.757
Mean -0.134 ± 0.333
Sigma 0.2877 ± 0.2683

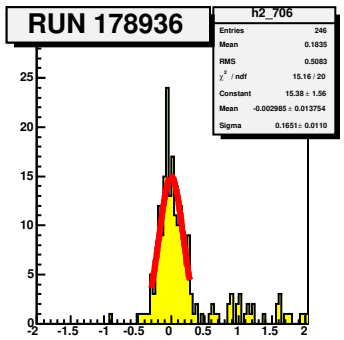

RUN 178820
h2_701
Entries 160
Mean 0.1639
RMS 0.4433
χ² / ndf 17.69 / 16
Constant 12.39 ± 1.64
Mean 0.01303 ± 0.01344
Sigma 0.1325 ± 0.0123

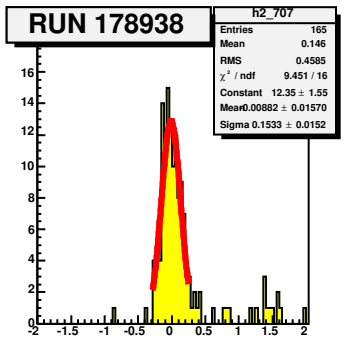

RUN 178825
h2_702
Entries 172
Mean 0.2436
RMS 0.5359
χ² / ndf 8.157 / 16
Constant 10.06 ± 1.26
Mean 0.001467 ± 0.019585
Sigma 0.1787 ± 0.0178

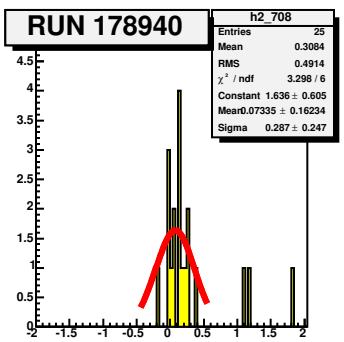

RUN 178911
h2_703
Entries 72
Mean 0.2393
RMS 0.5325
χ² / ndf 9.515 / 14
Constant 3.719 ± 0.973
Mean 0.01272 ± 0.03288
Sigma 0.1691 ± 0.0465

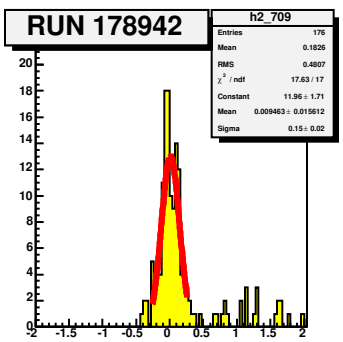

RUN 178913
h2_704
Entries 114
Mean 0.1408
RMS 0.4083
χ² / ndf 8.127 / 14
Constant 9.806 ± 1.549
Mean 0.003027 ± 0.015407
Sigma 0.1301 ± 0.0157

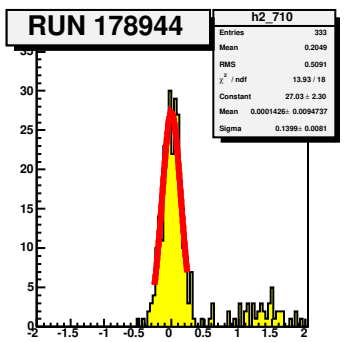

RUN 178934
h2_705
Entries 184
Mean 0.1968
RMS 0.4774
χ² / ndf 14.74 / 13
Constant 13.72 ± 1.72
Mean 0.04051 ± 0.01522
Sigma 0.1389 ± 0.0140

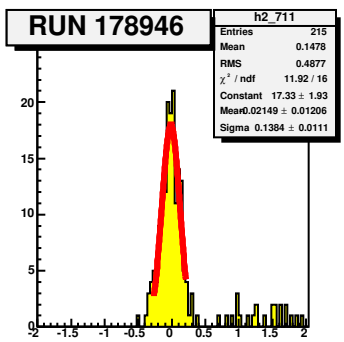

RUN 178936
h2_706
Entries 246
Mean 0.1835
RMS 0.5083
χ² / ndf 15.16 / 20
Constant 15.38 ± 1.56
Mean -0.002985 ± 0.013754
Sigma 0.1651 ± 0.0110

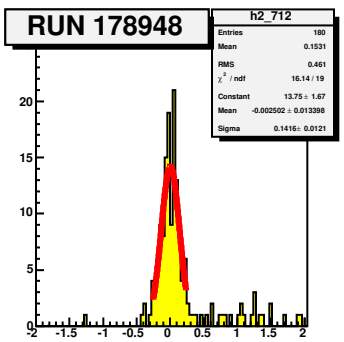

RUN 178938
h2_707
Entries 165
Mean 0.146
RMS 0.4585
χ² / ndf 9.451 / 16
Constant 12.35 ± 1.55
Mean 0.00882 ± 0.01570
Sigma 0.1533 ± 0.0152

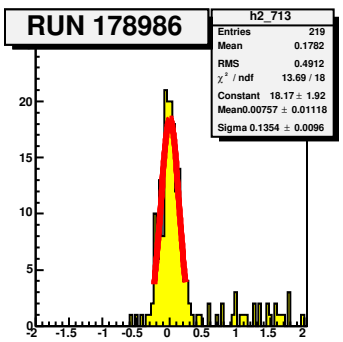

RUN 178940
h2_708
Entries 25
Mean 0.3084
RMS 0.4914
χ² / ndf 3.298 / 6
Constant 1.636 ± 0.605
Mean 0.07335 ± 0.16234
Sigma 0.287 ± 0.247

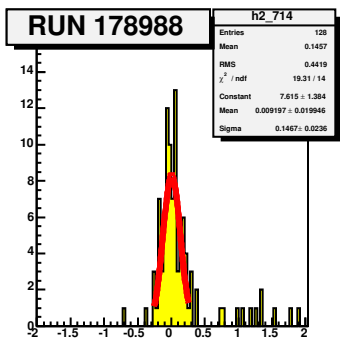

RUN 178942
h2_709
Entries 176
Mean 0.1826
RMS 0.4807
χ² / ndf 17.63 / 17
Constant 11.96 ± 1.71
Mean 0.009463 ± 0.015612
Sigma 0.15 ± 0.02

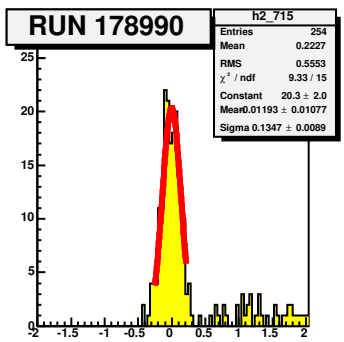

RUN 178944
h2_710
Entries 333
Mean 0.2049
RMS 0.5091
χ² / ndf 13.93 / 18
Constant 27.03 ± 2.30
Mean 0.0001426 ± 0.0094737
Sigma 0.1399 ± 0.0081

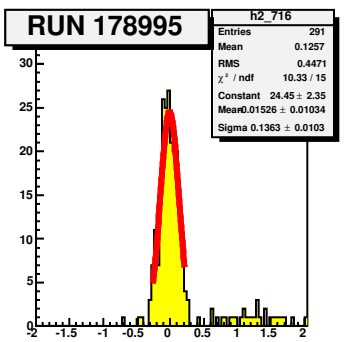

RUN 178946
h2_711
Entries 215
Mean 0.1478
RMS 0.4877
χ² / ndf 11.92 / 16
Constant 17.33 ± 1.93
Mean 0.02149 ± 0.01206
Sigma 0.1384 ± 0.0111

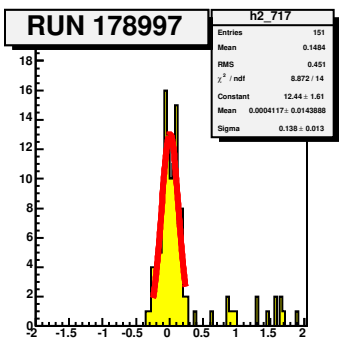

RUN 178948
h2_712
Entries 180
Mean 0.1531
RMS 0.461
χ² / ndf 16.14 / 19
Constant 13.75 ± 1.67
Mean -0.002502 ± 0.013398
Sigma 0.1416 ± 0.0121

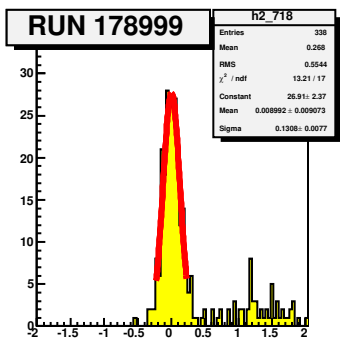

RUN 178986
h2_713
Entries 219
Mean 0.1782
RMS 0.4912
χ² / ndf 13.69 / 18
Constant 18.17 ± 1.92
Mean 0.00757 ± 0.01118
Sigma 0.1354 ± 0.0096

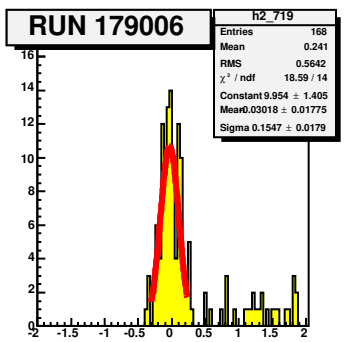

RUN 178988
h2_714
Entries 128
Mean 0.1457
RMS 0.4419
χ² / ndf 19.31 / 14
Constant 7.615 ± 1.384
Mean 0.009197 ± 0.019946
Sigma 0.1467 ± 0.0236

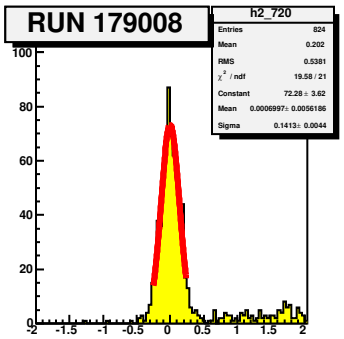

RUN 178990
h2_715
Entries 254
Mean 0.2227
RMS 0.5553
χ² / ndf 9.33 / 15
Constant 20.3 ± 2.0
Mean 0.01193 ± 0.01077
Sigma 0.1347 ± 0.0089

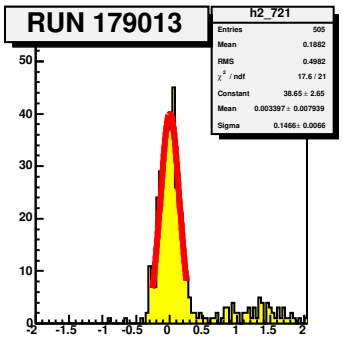

RUN 178995
h2_716
Entries 291
Mean 0.1257
RMS 0.4471
χ² / ndf 10.33 / 15
Constant 24.45 ± 2.35
Mean 0.01526 ± 0.01034
Sigma 0.1363 ± 0.0103

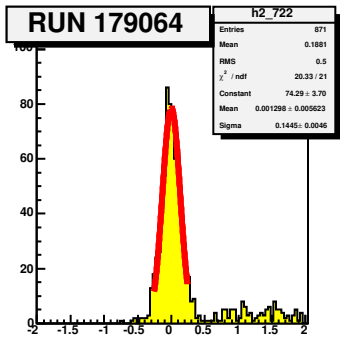

RUN 178997
h2_717
Entries 151
Mean 0.1484
RMS 0.451
χ² / ndf 8.872 / 14
Constant 12.44 ± 1.61
Mean 0.0004117 ± 0.0143888
Sigma 0.138 ± 0.013

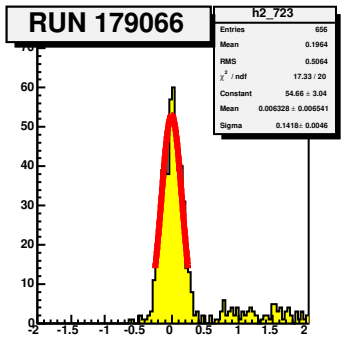

RUN 178999
h2_718
Entries 338
Mean 0.268
RMS 0.5544
χ² / ndf 13.21 / 17
Constant 26.91 ± 2.37
Mean 0.008992 ± 0.009073
Sigma 0.1308 ± 0.0077

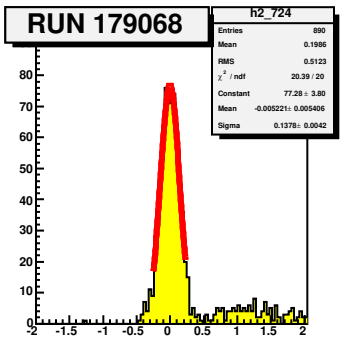

RUN 179006
h2_719
Entries 168
Mean 0.241
RMS 0.5642
χ² / ndf 18.59 / 14
Constant 9.954 ± 1.405
Mean 0.03018 ± 0.01775
Sigma 0.1547 ± 0.0179

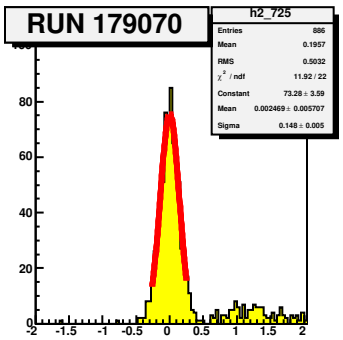

RUN 179008
h2_720
Entries 824
Mean 0.202
RMS 0.5381
χ² / ndf 19.58 / 21
Constant 72.28 ± 3.62
Mean 0.0006997 ± 0.0056186
Sigma 0.1413 ± 0.0044

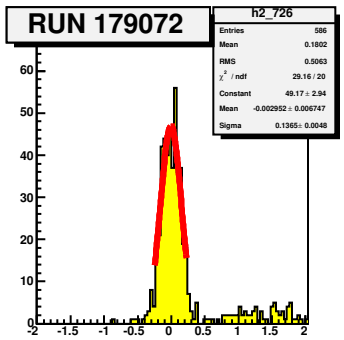

RUN 179013
h2_721
Entries 505
Mean 0.1882
RMS 0.4982
χ² / ndf 17.6 / 21
Constant 38.65 ± 2.65
Mean 0.003397 ± 0.007939
Sigma 0.1466 ± 0.0066

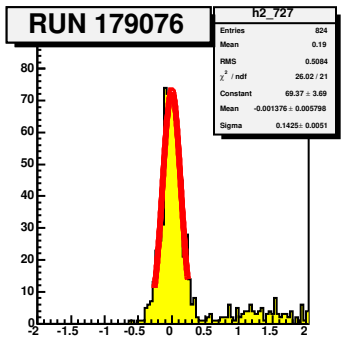

RUN 179064
h2_722
Entries 871
Mean 0.1881
RMS 0.5
χ² / ndf 20.33 / 21
Constant 74.29 ± 3.70
Mean 0.001298 ± 0.005623
Sigma 0.1445 ± 0.0046

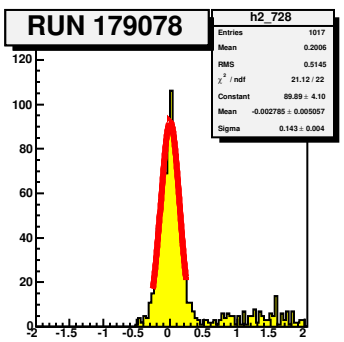

RUN 179066
h2_723
Entries 656
Mean 0.1964
RMS 0.5064
χ² / ndf 17.33 / 20
Constant 54.66 ± 3.04
Mean 0.006328 ± 0.006541
Sigma 0.1418 ± 0.0046

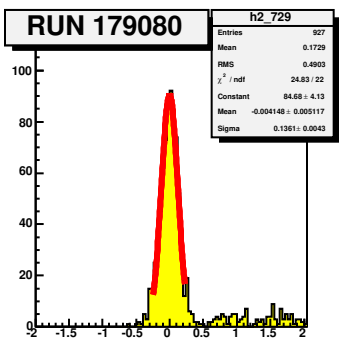

RUN 179068
h2_724
Entries 890
Mean 0.1986
RMS 0.5123
χ² / ndf 20.39 / 20
Constant 77.28 ± 3.80
Mean -0.005221 ± 0.005406
Sigma 0.1378 ± 0.0042

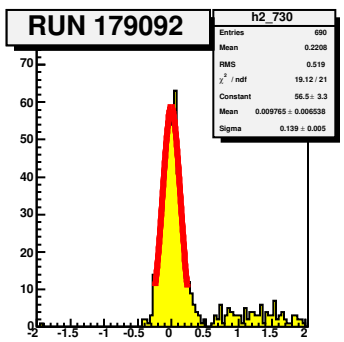

RUN 179070
h2_725
Entries 886
Mean 0.1957
RMS 0.5032
χ² / ndf 11.92 / 22
Constant 73.28 ± 3.59
Mean 0.002469 ± 0.005707
Sigma 0.148 ± 0.005

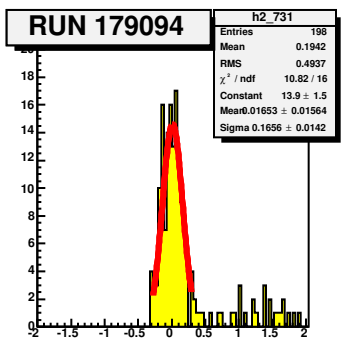

RUN 179072
h2_726
Entries 986
Mean 0.1802
RMS 0.5063
χ² / ndf 29.16 / 20
Constant 49.17 ± 2.94
Mean -0.002952 ± 0.006747
Sigma 0.1365 ± 0.0048

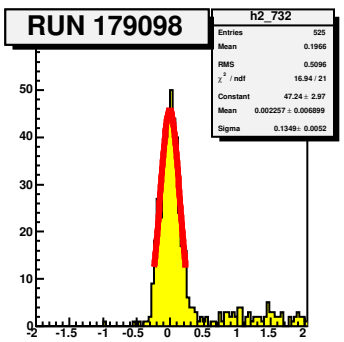

RUN 179076
h2_727
Entries 824
Mean 0.19
RMS 0.5084
χ² / ndf 26.02 / 21
Constant 69.37 ± 3.69
Mean -0.001376 ± 0.005798
Sigma 0.1425 ± 0.0051

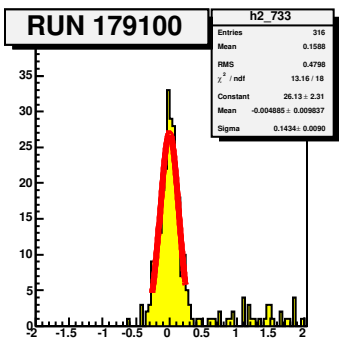

RUN 179078
h2_728
Entries 1017
Mean 0.2006
RMS 0.5145
χ² / ndf 21.12 / 22
Constant 89.89 ± 4.10
Mean -0.002785 ± 0.005057
Sigma 0.143 ± 0.004

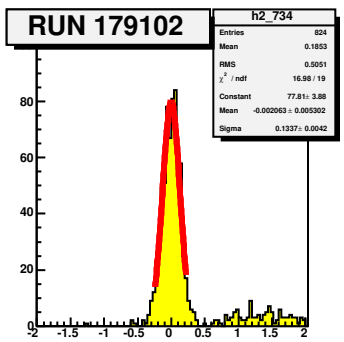

RUN 179080
h2_729
Entries 927
Mean 0.1729
RMS 0.4903
χ² / ndf 24.83 / 22
Constant 84.68 ± 4.13
Mean -0.004148 ± 0.005117
Sigma 0.1361 ± 0.0043

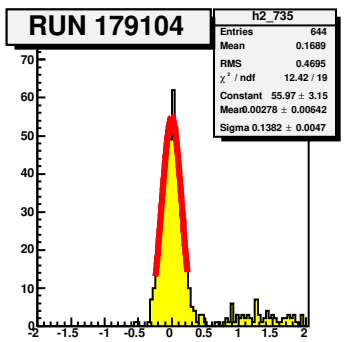

RUN 179092
h2_730
Entries 690
Mean 0.2208
RMS 0.519
χ² / ndf 19.12 / 21
Constant 56.5 ± 3.3
Mean 0.009765 ± 0.006538
Sigma 0.139 ± 0.005

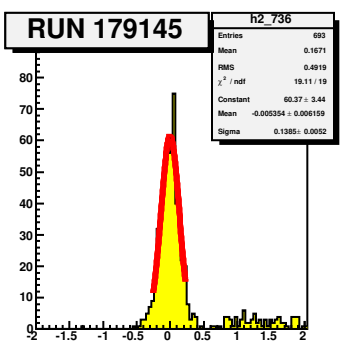

RUN 179094
h2_731
Entries 198
Mean 0.1942
RMS 0.4937
χ² / ndf 10.82 / 16
Constant 13.9 ± 1.5
Mean 0.01653 ± 0.01564
Sigma 0.1656 ± 0.0142

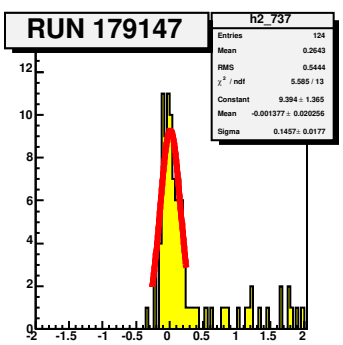

RUN 179098
h2_732
Entries 525
Mean 0.1966
RMS 0.5096
χ² / ndf 16.94 / 21
Constant 47.24 ± 2.97
Mean 0.002257 ± 0.006899
Sigma 0.1349 ± 0.0052

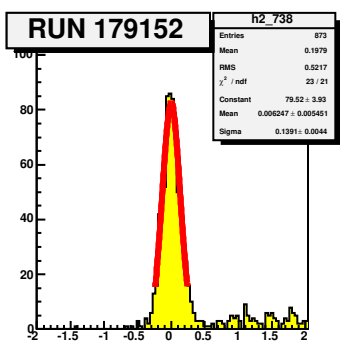

RUN 179100
h2_733
Entries 316
Mean 0.1588
RMS 0.4798
χ² / ndf 13.16 / 18
Constant 26.13 ± 2.31
Mean -0.004885 ± 0.009837
Sigma 0.1434 ± 0.0090

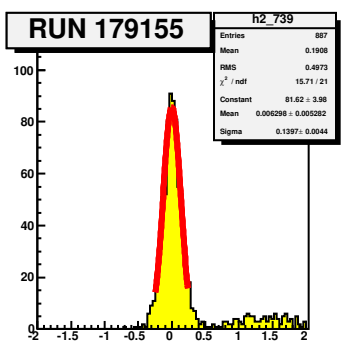

RUN 179102
h2_734
Entries 824
Mean 0.1853
RMS 0.5051
χ² / ndf 16.98 / 19
Constant 77.81 ± 3.88
Mean -0.002063 ± 0.005302
Sigma 0.1337 ± 0.0042

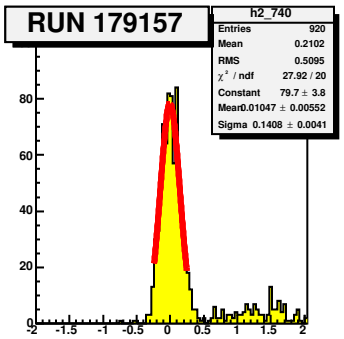

RUN 179104
h2_735
Entries 644
Mean 0.1689
RMS 0.4695
χ² / ndf 12.42 / 19
Constant 55.97 ± 3.15
Mean 0.00278 ± 0.00642
Sigma 0.1382 ± 0.0047

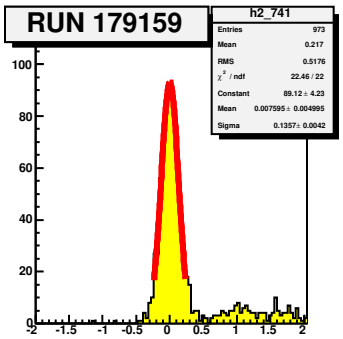

RUN 179145
h2_736
Entries 693
Mean 0.1671
RMS 0.4919
χ² / ndf 19.11 / 19
Constant 60.37 ± 3.44
Mean -0.005354 ± 0.006159
Sigma 0.1385 ± 0.0052

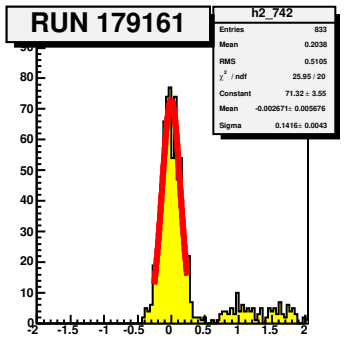

RUN 179147
h2_737
Entries 124
Mean 0.2643
RMS 0.5444
χ² / ndf 5.585 / 13
Constant 9.394 ± 1.365
Mean -0.001377 ± 0.020256
Sigma 0.1457 ± 0.0177

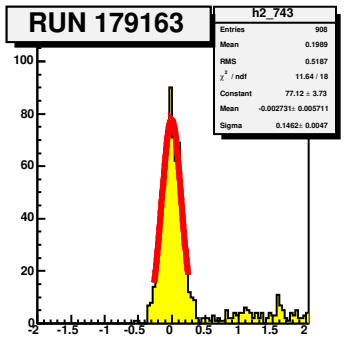

RUN 179152
h2_738
Entries 873
Mean 0.1979
RMS 0.5217
χ² / ndf 23 / 21
Constant 79.52 ± 3.93
Mean 0.006247 ± 0.005451
Sigma 0.1391 ± 0.0044

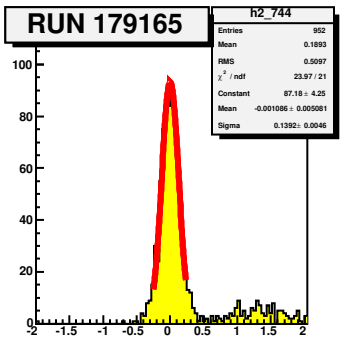

RUN 179155
h2_739
Entries 887
Mean 0.1908
RMS 0.4973
χ² / ndf 15.71 / 21
Constant 81.62 ± 3.98
Mean 0.006298 ± 0.005282
Sigma 0.1397 ± 0.0044

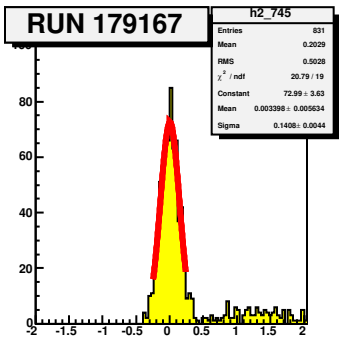

RUN 179157
h2_740
Entries 920
Mean 0.2102
RMS 0.5095
χ² / ndf 27.92 / 20
Constant 79.7 ± 3.8
Mean 0.01047 ± 0.00552
Sigma 0.1408 ± 0.0041

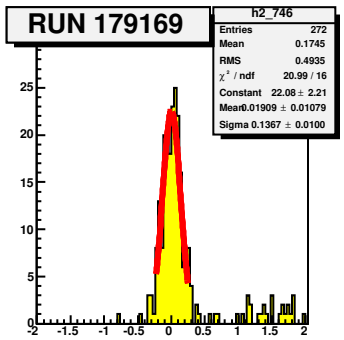

RUN 179159
h2_741
Entries 973
Mean 0.217
RMS 0.5176
χ² / ndf 22.46 / 22
Constant 89.12 ± 4.23
Mean 0.007595 ± 0.004995
Sigma 0.1357 ± 0.0042

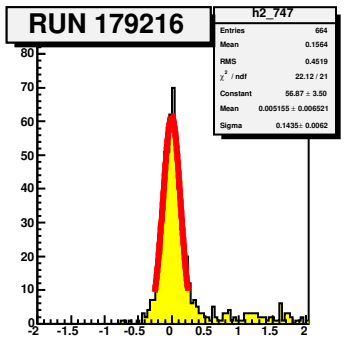

RUN 179161
h2_742
Entries 833
Mean 0.2038
RMS 0.5105
χ² / ndf 25.95 / 20
Constant 71.32 ± 3.55
Mean -0.002671 ± 0.005676
Sigma 0.1416 ± 0.0043

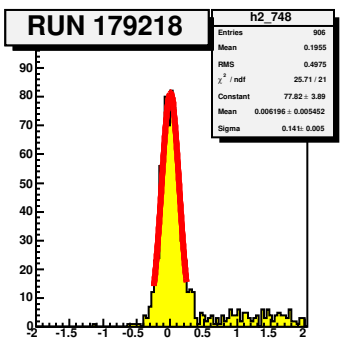

RUN 179163
h2_743
Entries 908
Mean 0.1989
RMS 0.5187
χ² / ndf 11.64 / 18
Constant 77.12 ± 3.73
Mean -0.002731 ± 0.005711
Sigma 0.1462 ± 0.0047

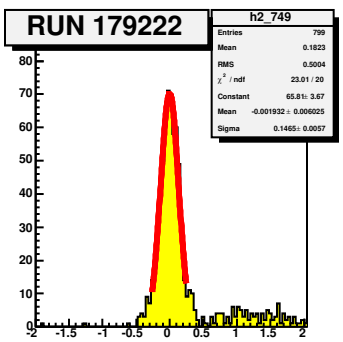

RUN 179165
h2_744
Entries 952
Mean 0.1893
RMS 0.5097
χ² / ndf 23.97 / 21
Constant 87.18 ± 4.25
Mean -0.001086 ± 0.005081
Sigma 0.1392 ± 0.0046

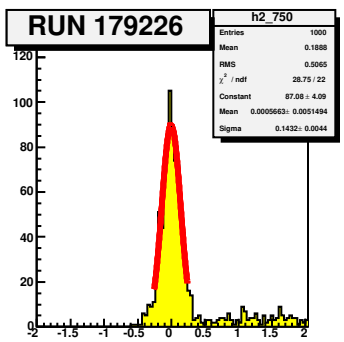

RUN 179167
h2_745
Entries 831
Mean 0.2029
RMS 0.5028
χ² / ndf 20.79 / 19
Constant 72.99 ± 3.63
Mean 0.003398 ± 0.005634
Sigma 0.1408 ± 0.0044

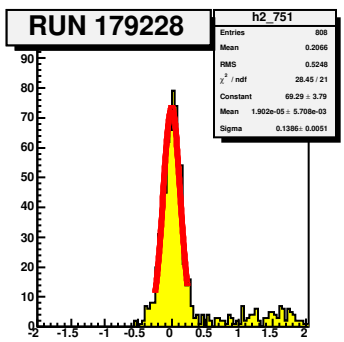

RUN 179169
h2_746
Entries 272
Mean 0.1745
RMS 0.4935
χ² / ndf 20.99 / 16
Constant 22.08 ± 2.21
Mean 0.01909 ± 0.01079
Sigma 0.1367 ± 0.0100

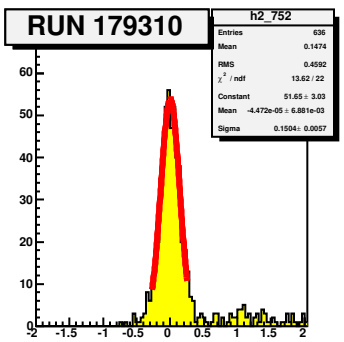

RUN 179216
h2_747
Entries 664
Mean 0.1564
RMS 0.4519
χ² / ndf 22.12 / 21
Constant 56.87 ± 3.50
Mean 0.005155 ± 0.006521
Sigma 0.1435 ± 0.0062

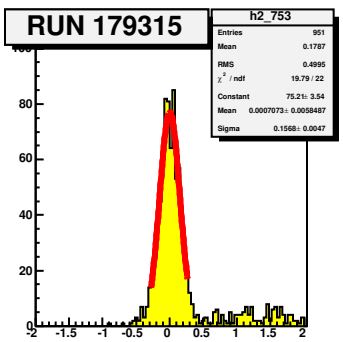

RUN 179218
h2_748
Entries 906
Mean 0.1955
RMS 0.4975
χ² / ndf 25.71 / 21
Constant 77.82 ± 3.89
Mean 0.006196 ± 0.005452
Sigma 0.141 ± 0.005

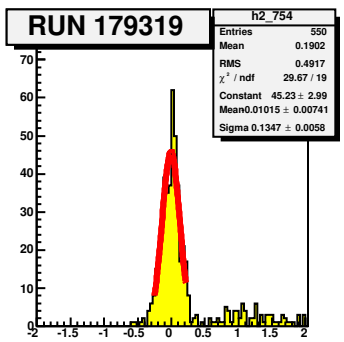

RUN 179222
h2_749
Entries 799
Mean 0.1823
RMS 0.5004
χ² / ndf 23.01 / 20
Constant 65.81 ± 3.67
Mean -0.001932 ± 0.006025
Sigma 0.1465 ± 0.0057

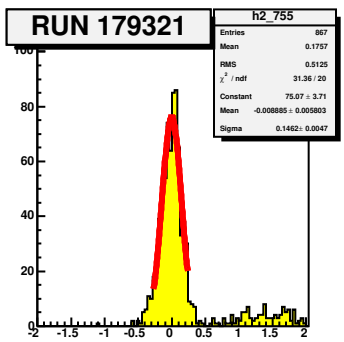

RUN 179226
h2_750
Entries 1000
Mean 0.1688
RMS 0.5065
χ² / ndf 28.75 / 22
Constant 87.08 ± 4.09
Mean 0.0005663 ± 0.0051494
Sigma 0.1432 ± 0.0044

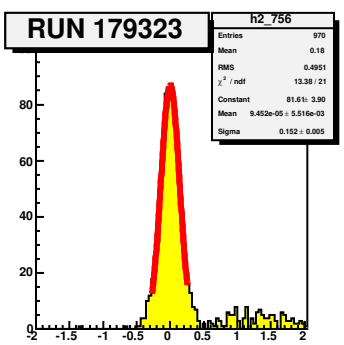

RUN 179228
h2_751
Entries 808
Mean 0.2066
RMS 0.5248
χ² / ndf 28.45 / 21
Constant 69.29 ± 3.79
Mean 1.902e-05 ± 5.708e-03
Sigma 0.1386 ± 0.0051

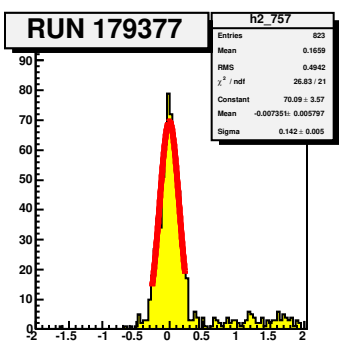

RUN 179310
h2_752
Entries 636
Mean 0.1474
RMS 0.4592
χ² / ndf 13.62 / 22
Constant 51.65 ± 3.03
Mean -4.472e-05 ± 6.881e-03
Sigma 0.1504 ± 0.0057

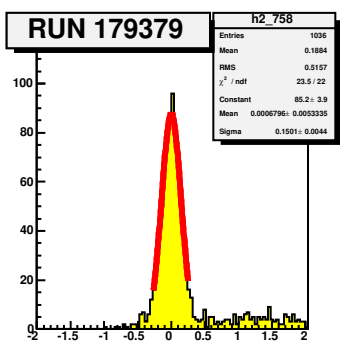

RUN 179315
h2_753
Entries 951
Mean 0.1787
RMS 0.4995
χ² / ndf 19.79 / 22
Constant 75.21 ± 3.54
Mean 0.0007073 ± 0.0058487
Sigma 0.1568 ± 0.0047

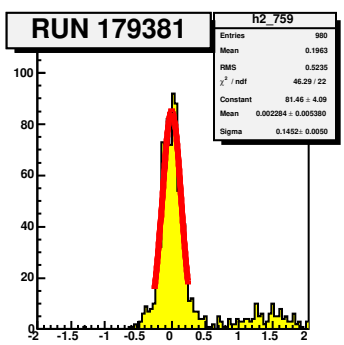

RUN 179319
h2_754
Entries 550
Mean 0.1902
RMS 0.4917
χ² / ndf 29.67 / 19
Constant 45.23 ± 2.99
Mean 0.01015 ± 0.00741
Sigma 0.1347 ± 0.0058

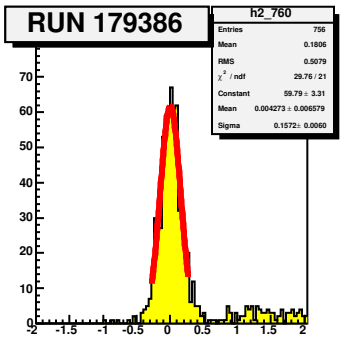

RUN 179321
h2_755
Entries 867
Mean 0.1757
RMS 0.5125
χ² / ndf 31.36 / 20
Constant 75.07 ± 3.71
Mean -0.008885 ± 0.005803
Sigma 0.1462 ± 0.0047

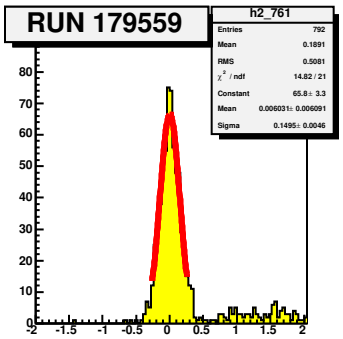

RUN 179323
h2_756
Entries 970
Mean 0.18
RMS 0.4951
χ² / ndf 13.38 / 21
Constant 81.61 ± 3.90
Mean 9.452e-05 ± 5.516e-03
Sigma 0.152 ± 0.005

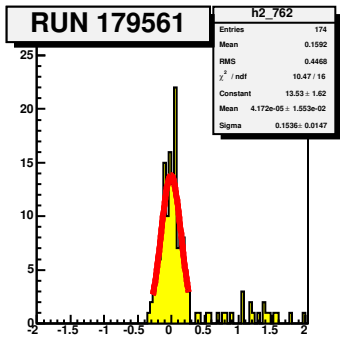

RUN 179377
h2_757
Entries 823
Mean 0.1659
RMS 0.4942
χ² / ndf 26.83 / 21
Constant 70.09 ± 3.57
Mean -0.007351 ± 0.005797
Sigma 0.142 ± 0.005

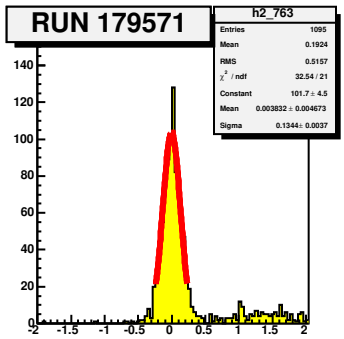

RUN 179379
h2_758
Entries 1036
Mean 0.1884
RMS 0.5157
χ² / ndf 23.5 / 22
Constant 85.2 ± 3.9
Mean 0.0006796 ± 0.0053335
Sigma 0.1501 ± 0.0044

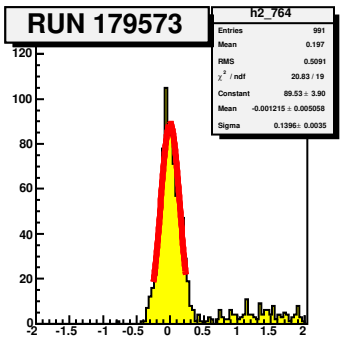

RUN 179381
h2_759
Entries 980
Mean 0.1963
RMS 0.5235
χ² / ndf 46.29 / 22
Constant 81.46 ± 4.09
Mean 0.002284 ± 0.005380
Sigma 0.1452 ± 0.0050

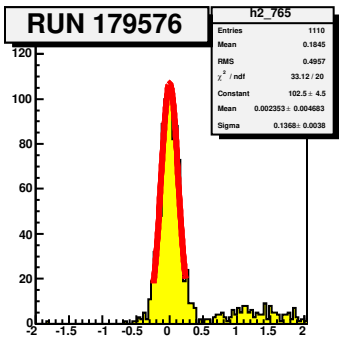

RUN 179386
h2_760
Entries 756
Mean 0.1806
RMS 0.5079
χ² / ndf 29.76 / 21
Constant 59.79 ± 3.31
Mean 0.004273 ± 0.006579
Sigma 0.1572 ± 0.0060

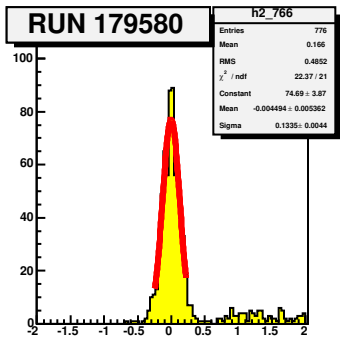

RUN 179559
h2_761
Entries 792
Mean 0.1891
RMS 0.5081
χ² / ndf 14.82 / 21
Constant 65.8 ± 3.3
Mean 0.006031 ± 0.006091
Sigma 0.1495 ± 0.0046

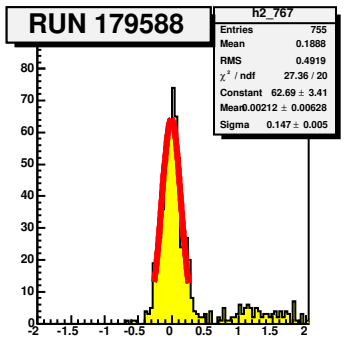

RUN 179561
h2_762
Entries 174
Mean 0.1592
RMS 0.4468
χ² / ndf 10.47 / 16
Constant 13.53 ± 1.62
Mean 4.172e-05 ± 1.553e-02
Sigma 0.1536 ± 0.0147

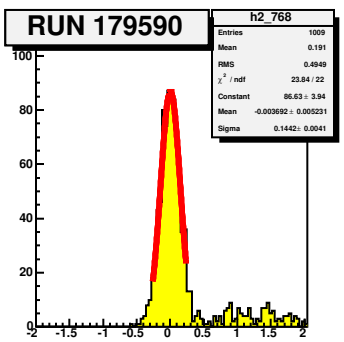

RUN 179571
h2_763
Entries 1095
Mean 0.1924
RMS 0.5157
χ² / ndf 32.54 / 21
Constant 101.7 ± 4.5
Mean 0.003832 ± 0.004673
Sigma 0.1344 ± 0.0037

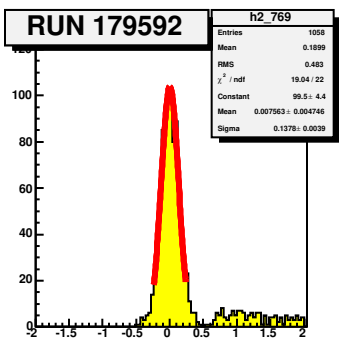

RUN 179573
h2_764
Entries 991
Mean 0.197
RMS 0.5091
χ² / ndf 20.83 / 19
Constant 89.53 ± 3.90
Mean -0.001215 ± 0.005058
Sigma 0.1396 ± 0.0035

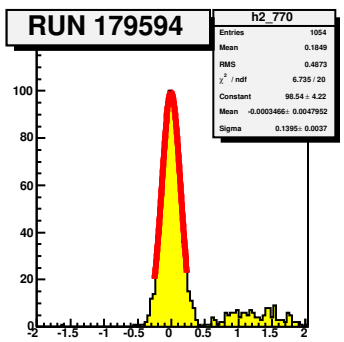

RUN 179576
h2_765
Entries 1110
Mean 0.1845
RMS 0.4957
χ² / ndf 33.12 / 20
Constant 102.5 ± 4.5
Mean 0.002353 ± 0.004683
Sigma 0.1368 ± 0.0038

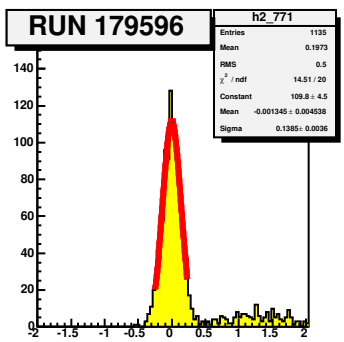

RUN 179580
h2_766
Entries 776
Mean 0.166
RMS 0.4852
χ² / ndf 22.37 / 21
Constant 74.69 ± 3.87
Mean -0.004494 ± 0.005362
Sigma 0.1335 ± 0.0044

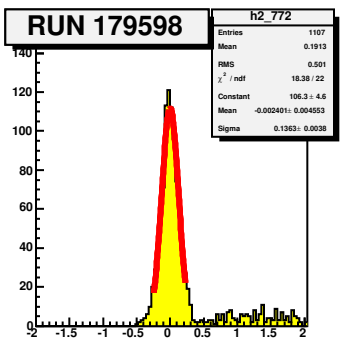

RUN 179588
h2_767
Entries 755
Mean 0.1888
RMS 0.4919
χ² / ndf 27.36 / 20
Constant 62.69 ± 3.41
Mean 0.00212 ± 0.00628
Sigma 0.147 ± 0.005

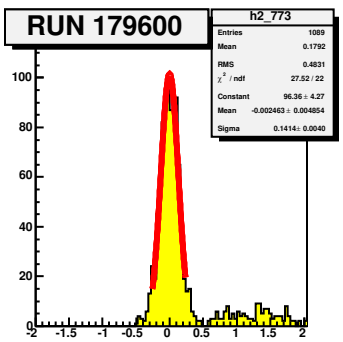

RUN 179590
h2_768
Entries 1009
Mean 0.191
RMS 0.4949
χ² / ndf 23.84 / 22
Constant 86.63 ± 3.94
Mean -0.003692 ± 0.005231
Sigma 0.1442 ± 0.0041

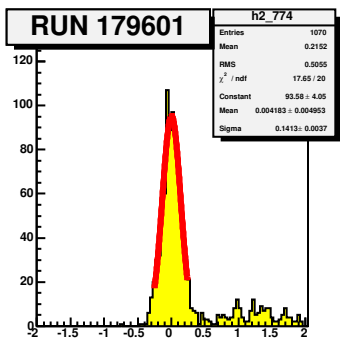

RUN 179592
h2_769
Entries 1058
Mean 0.1899
RMS 0.483
χ² / ndf 19.04 / 22
Constant 99.5 ± 4.4
Mean 0.007563 ± 0.004746
Sigma 0.1378 ± 0.0039

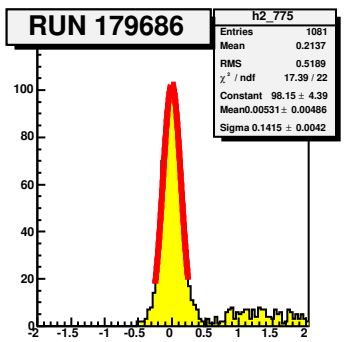

RUN 179594
h2_770
Entries 1054
Mean 0.1849
RMS 0.4873
χ² / ndf 6.735 / 20
Constant 98.54 ± 4.22
Mean -0.0003466 ± 0.0047952
Sigma 0.1395 ± 0.0037

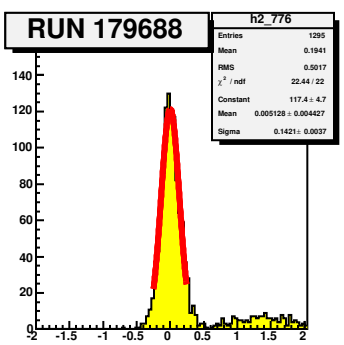

RUN 179596
h2_771
Entries 1135
Mean 0.1973
RMS 0.5
χ² / ndf 14.51 / 20
Constant 109.8 ± 4.5
Mean -0.001345 ± 0.004538
Sigma 0.1385 ± 0.0036

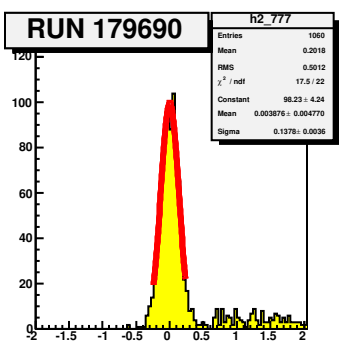

RUN 179598
h2_772
Entries 1107
Mean 0.1913
RMS 0.501
χ² / ndf 18.38 / 22
Constant 106.3 ± 4.6
Mean -0.002401 ± 0.004553
Sigma 0.1363 ± 0.0038

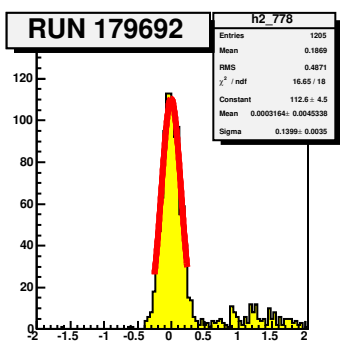

RUN 179600
h2_773
Entries 1089
Mean 0.1792
RMS 0.4831
χ² / ndf 27.52 / 22
Constant 96.36 ± 4.27
Mean -0.002463 ± 0.004854
Sigma 0.1414 ± 0.0040

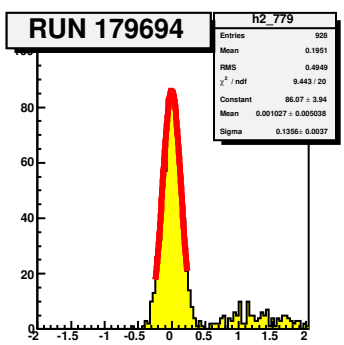

RUN 179601
h2_774
Entries 1070
Mean 0.2152
RMS 0.5055
χ² / ndf 17.65 / 20
Constant 93.58 ± 4.05
Mean 0.004183 ± 0.004953
Sigma 0.1413 ± 0.0037

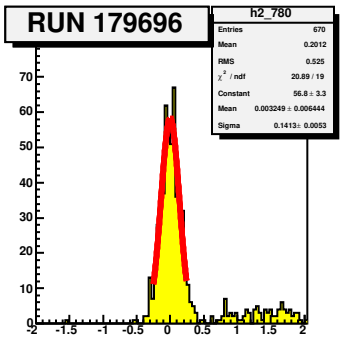

RUN 179686
h2_775
Entries 1081
Mean 0.2137
RMS 0.5189
χ² / ndf 17.39 / 22
Constant 98.15 ± 4.39
Mean 0.00531 ± 0.00486
Sigma 0.1415 ± 0.0042

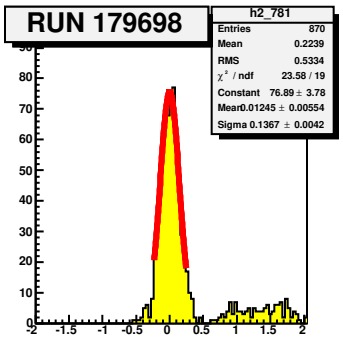

RUN 179688
h2_776
Entries 1295
Mean 0.1941
RMS 0.5017
χ² / ndf 22.44 / 22
Constant 117.4 ± 4.7
Mean 0.005128 ± 0.004427
Sigma 0.1421 ± 0.0037

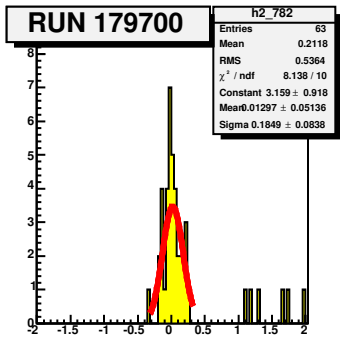

RUN 179690
h2_777
Entries 1060
Mean 0.2018
RMS 0.5012
χ² / ndf 17.5 / 22
Constant 98.23 ± 4.24
Mean 0.003876 ± 0.004770
Sigma 0.1378 ± 0.0036

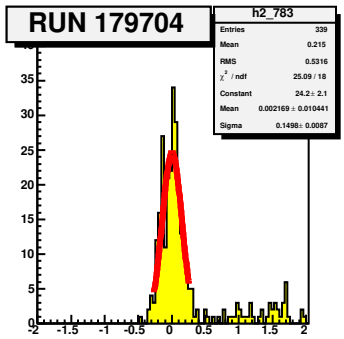

RUN 179692
h2_778
Entries 1205
Mean 0.1869
RMS 0.4871
χ² / ndf 16.65 / 18
Constant 112.6 ± 4.5
Mean 0.0003164 ± 0.0045338
Sigma 0.1399 ± 0.0035

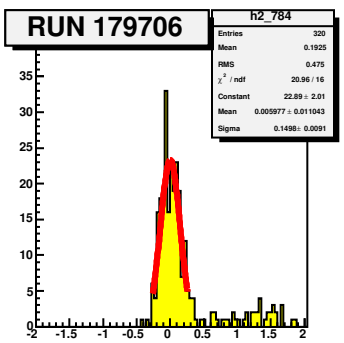

RUN 179694
h2_779
Entries 928
Mean 0.1951
RMS 0.4949
χ² / ndf 9.443 / 20
Constant 86.07 ± 3.94
Mean 0.001027 ± 0.005038
Sigma 0.1356 ± 0.0037

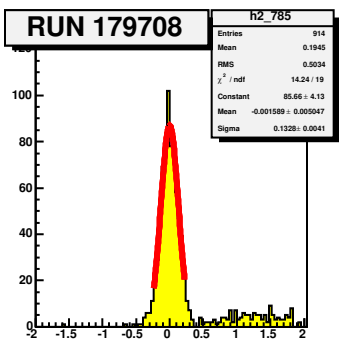

RUN 179696
h2_780
Entries 670
Mean 0.2012
RMS 0.525
χ² / ndf 20.89 / 19
Constant 56.8 ± 3.3
Mean 0.003249 ± 0.006444
Sigma 0.1413 ± 0.0053

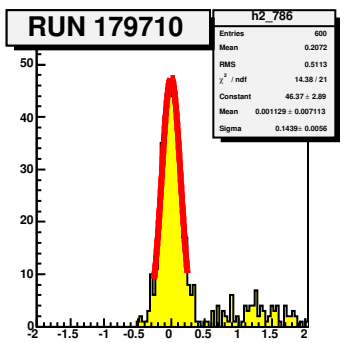

RUN 179698
h2_781
Entries 870
Mean 0.2239
RMS 0.5334
χ² / ndf 23.58 / 19
Constant 76.89 ± 3.78
Mean 0.01245 ± 0.00554
Sigma 0.1367 ± 0.0042

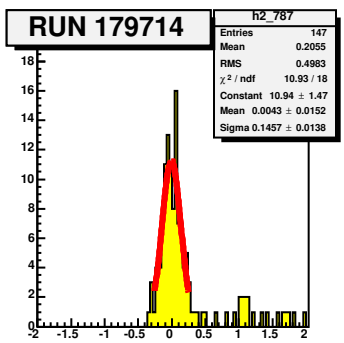

RUN 179700
h2_782
Entries 63
Mean 0.2118
RMS 0.5364
χ² / ndf 8.138 / 10
Constant 3.159 ± 0.918
Mean 0.01297 ± 0.05136
Sigma 0.1849 ± 0.0838

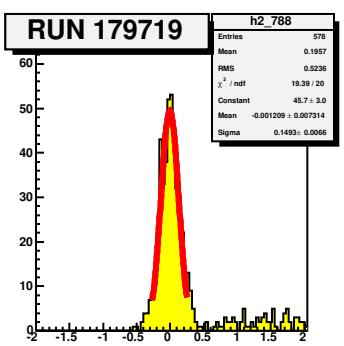

RUN 179704
h2_783
Entries 339
Mean 0.215
RMS 0.5316
χ² / ndf 25.09 / 18
Constant 24.2 ± 2.1
Mean 0.002169 ± 0.010441
Sigma 0.1498 ± 0.0087

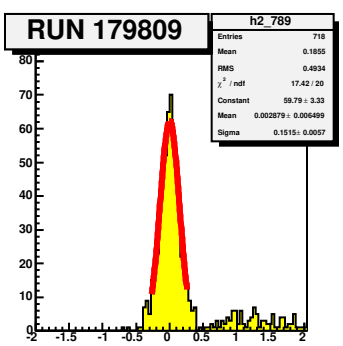

RUN 179706
h2_784
Entries 320
Mean 0.1925
RMS 0.475
χ² / ndf 20.96 / 16
Constant 22.89 ± 2.01
Mean 0.005977 ± 0.011043
Sigma 0.1498 ± 0.0091

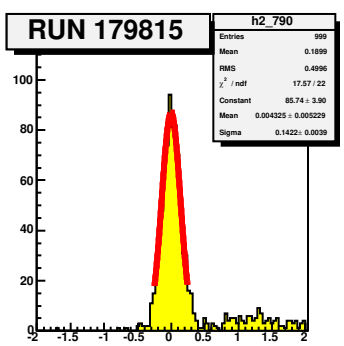

RUN 179708
h2_785
Entries 914
Mean 0.1945
RMS 0.5034
χ² / ndf 14.24 / 19
Constant 85.66 ± 4.13
Mean -0.001589 ± 0.005047
Sigma 0.1328 ± 0.0041

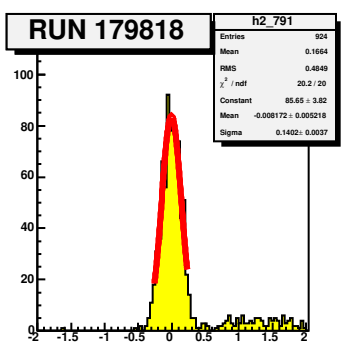

RUN 179710
h2_786
Entries 600
Mean 0.2072
RMS 0.5113
χ² / ndf 14.38 / 21
Constant 46.37 ± 2.89
Mean 0.001129 ± 0.007113
Sigma 0.1439 ± 0.0056

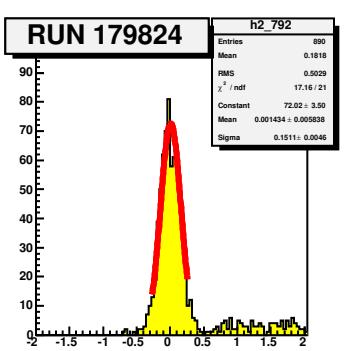

RUN 179714
h2_787
Entries 147
Mean 0.2055
RMS 0.4983
χ² / ndf 10.93 / 18
Constant 10.94 ± 1.47
Mean 0.0043 ± 0.0152
Sigma 0.1457 ± 0.0138

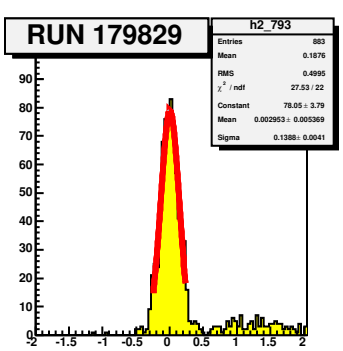

RUN 179719
h2_788
Entries 578
Mean 0.1957
RMS 0.5236
χ² / ndf 19.39 / 20
Constant 45.7 ± 3.0
Mean -0.001209 ± 0.007314
Sigma 0.1493 ± 0.0066

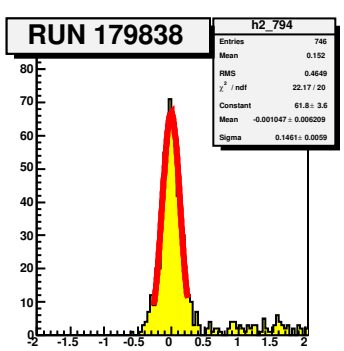

RUN 179809
h2_789
Entries 718
Mean 0.1855
RMS 0.4934
χ² / ndf 17.42 / 20
Constant 59.79 ± 3.33
Mean 0.002879 ± 0.006499
Sigma 0.1515 ± 0.0057

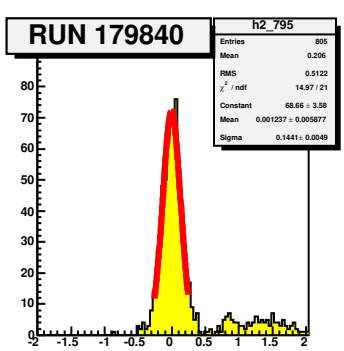

RUN 179815
h2_790
Entries 999
Mean 0.1699
RMS 0.4996
χ² / ndf 17.57 / 22
Constant 85.74 ± 3.90
Mean 0.004325 ± 0.005229
Sigma 0.1422 ± 0.0039

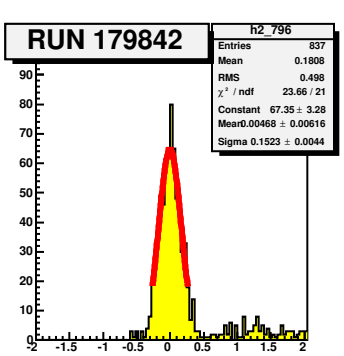

RUN 179818
h2_791
Entries 924
Mean 0.1664
RMS 0.4849
χ² / ndf 20.2 / 20
Constant 85.65 ± 3.82
Mean -0.008172 ± 0.005218
Sigma 0.1402 ± 0.0037

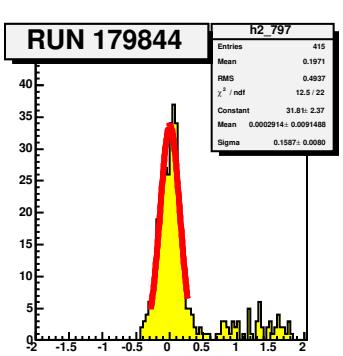

RUN 179824
h2_792
Entries 890
Mean 0.1818
RMS 0.5029
χ² / ndf 17.16 / 21
Constant 72.02 ± 3.50
Mean 0.001434 ± 0.005838
Sigma 0.1511 ± 0.0046

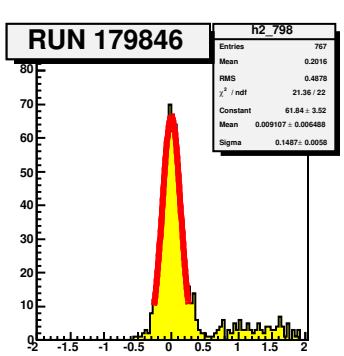

RUN 179829
h2_793
Entries 883
Mean 0.1876
RMS 0.4995
χ² / ndf 27.53 / 22
Constant 78.05 ± 3.79
Mean 0.002953 ± 0.005369
Sigma 0.1388 ± 0.0041


RUN 179838
h2_794
Entries 746
Mean 0.152
RMS 0.4649
χ² / ndf 22.17 / 20
Constant 61.8 ± 3.6
Mean -0.001047 ± 0.006209
Sigma 0.1461 ± 0.0059


RUN 179840
h2_795
Entries 805
Mean 0.206
RMS 0.5122
χ² / ndf 14.97 / 21
Constant 68.66 ± 3.58
Mean 0.001237 ± 0.005877
Sigma 0.1441 ± 0.0049


RUN 179842
h2_796
Entries 837
Mean 0.1808
RMS 0.498
χ² / ndf 23.66 / 21
Constant 67.35 ± 3.28
Mean 0.00468 ± 0.00616
Sigma 0.1523 ± 0.0044


RUN 179844
h2_797
Entries 415
Mean 0.1971
RMS 0.4937
χ² / ndf 12.5 / 22
Constant 31.81 ± 2.37
Mean 0.0002914 ± 0.0091488
Sigma 0.1587 ± 0.0080


RUN 179846
h2_798
Entries 767
Mean 0.2016
RMS 0.4878
χ² / ndf 21.36 / 22
Constant 61.84 ± 3.52
Mean 0.009107 ± 0.006488
Sigma 0.1487 ± 0.0058