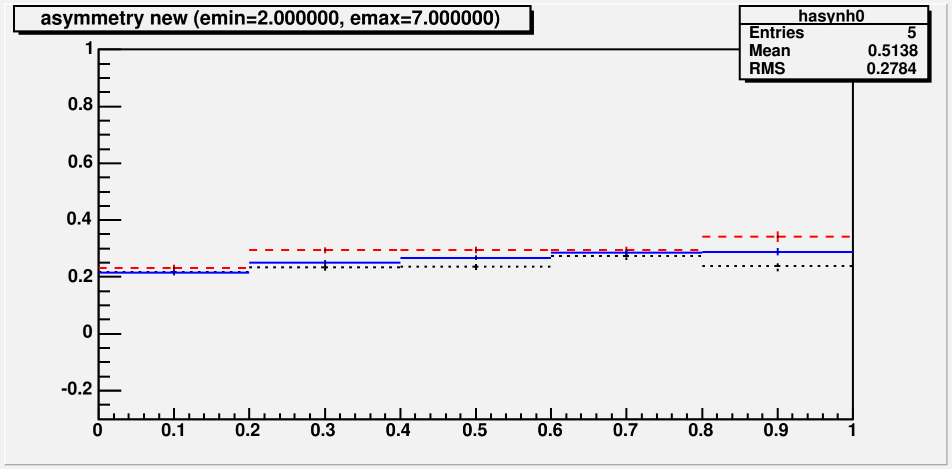
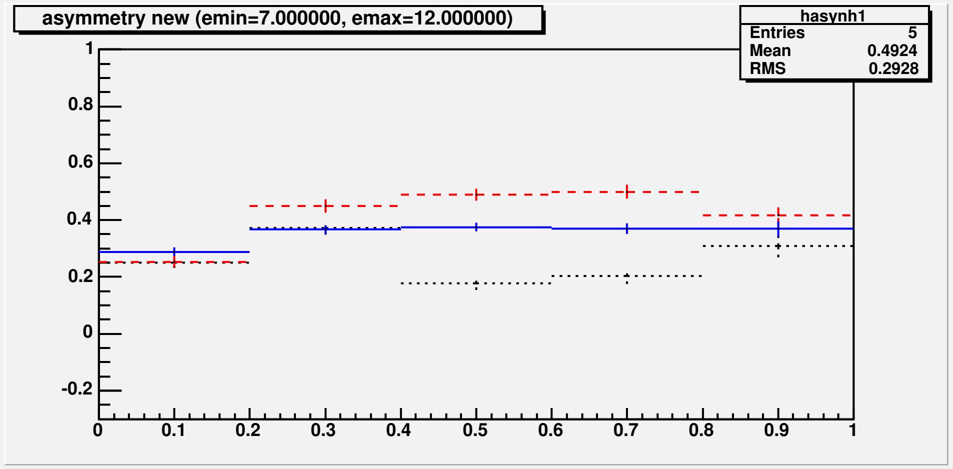
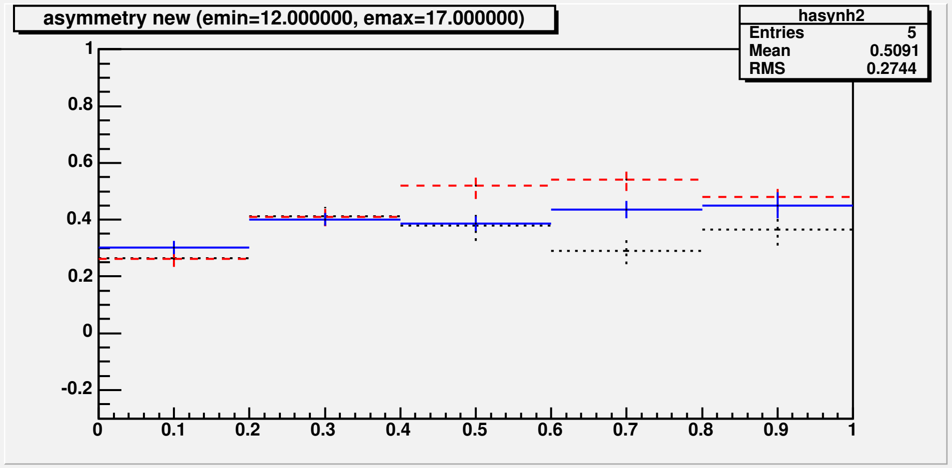
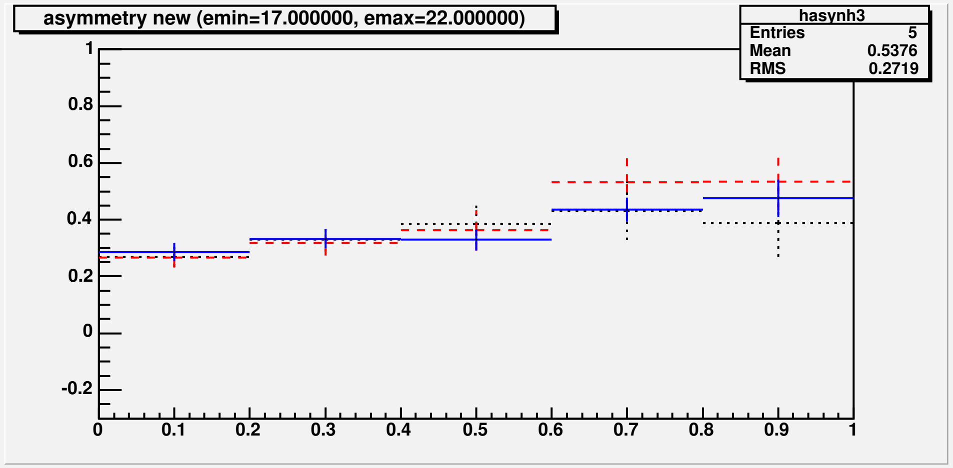
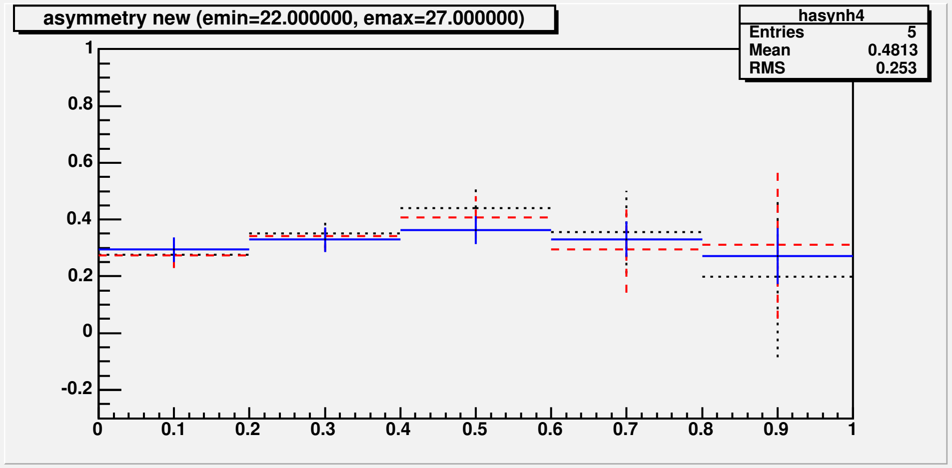
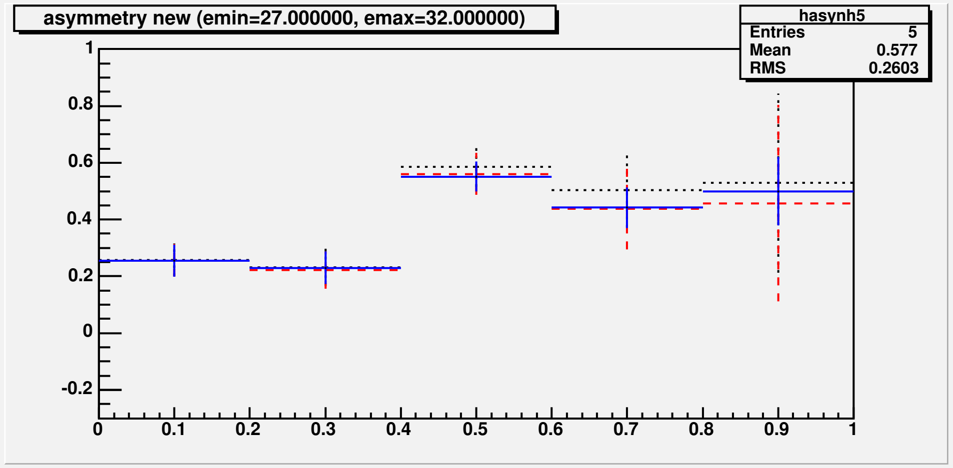

asymmetry new (emin=2.000000, emax=7.000000)
hasynh0
Entries 5
Mean 0.5138
RMS 0.2784
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

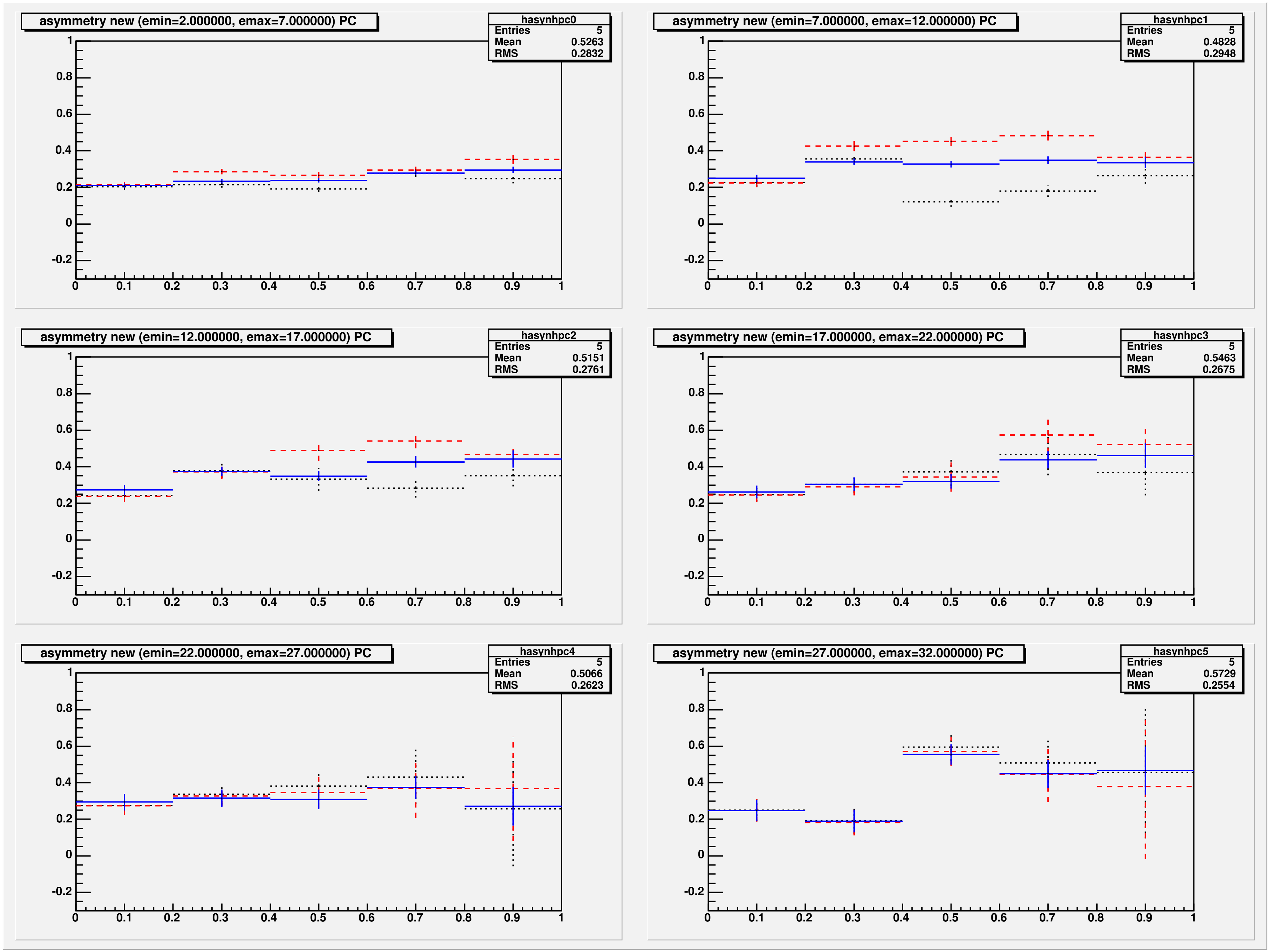

asymmetry new (emin=7.000000, emax=12.000000)
hasynh1
Entries 5
Mean 0.4924
RMS 0.2928
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

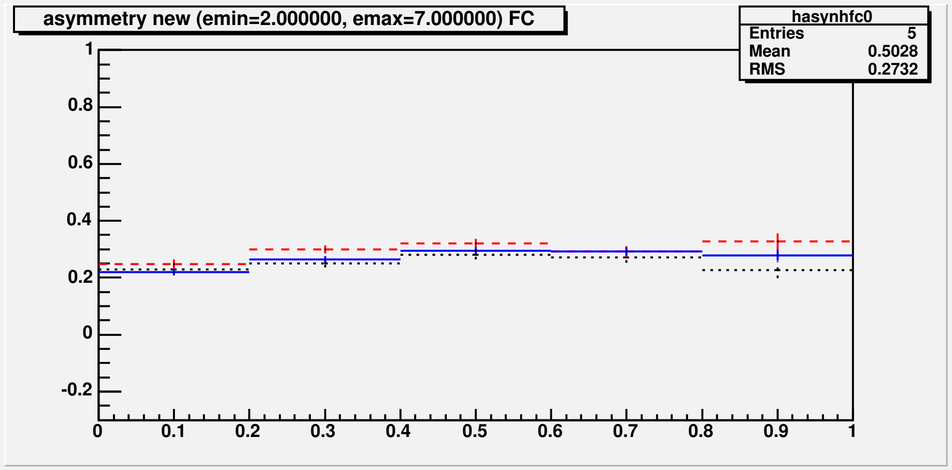

asymmetry new (emin=12.000000, emax=17.000000)
hasynh2
Entries 5
Mean 0.5091
RMS 0.2744
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

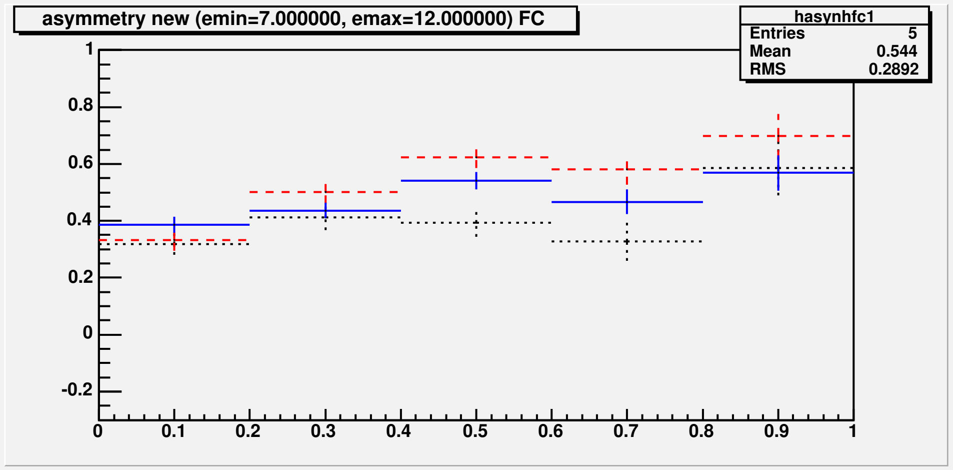

asymmetry new (emin=17.000000, emax=22.000000)
hasynh3
Entries 5
Mean 0.5376
RMS 0.2719
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

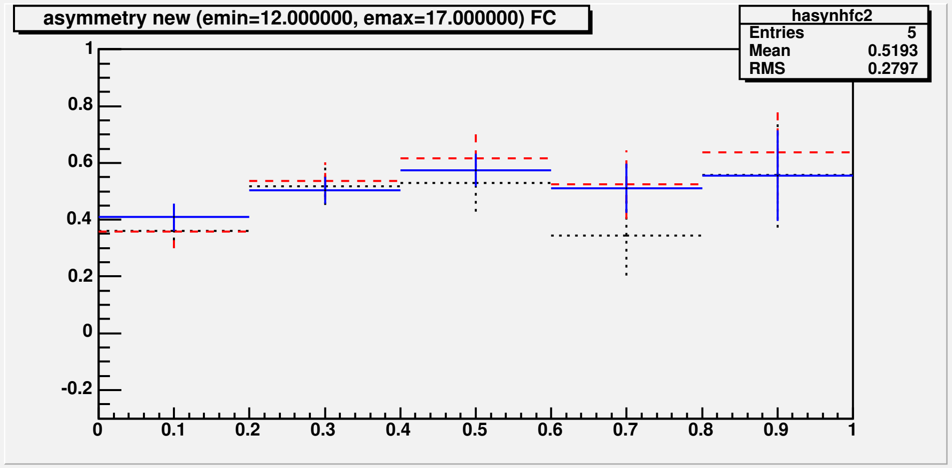

asymmetry new (emin=22.000000, emax=27.000000)
hasynh4
Entries 5
Mean 0.4813
RMS 0.253
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

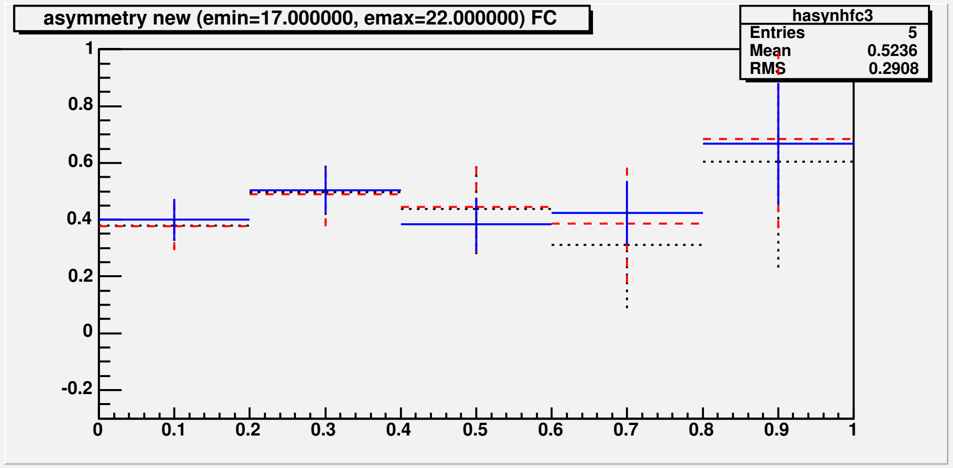

asymmetry new (emin=27.000000, emax=32.000000)
hasynh5
Entries 5
Mean 0.577
RMS 0.2603
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

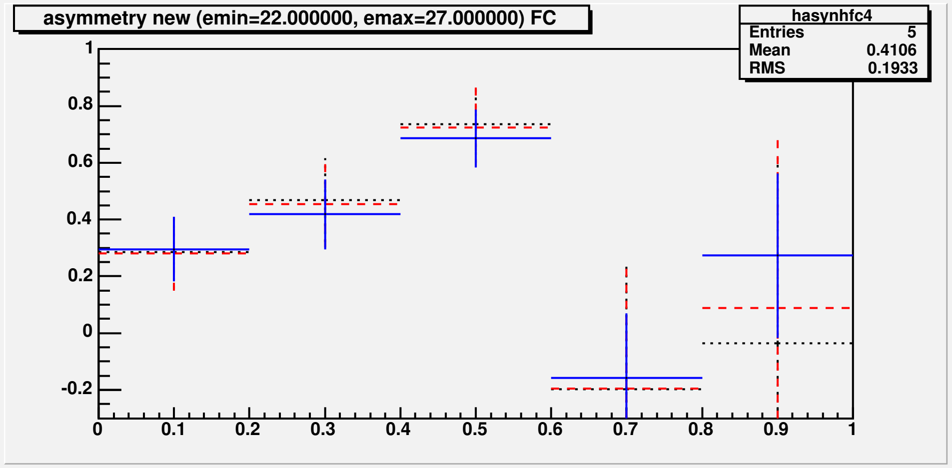

asymmetry new (emin=2.000000, emax=7.000000) PC
hasynhpc0
Entries 5
Mean 0.5263
RMS 0.2832
asymmetry new (emin=7.000000, emax=12.000000) PC
hasynhpc1
Entries 5
Mean 0.4828
RMS 0.2948
asymmetry new (emin=12.000000, emax=17.000000) PC
hasynhpc2
Entries 5
Mean 0.5151
RMS 0.2761
asymmetry new (emin=17.000000, emax=22.000000) PC
hasynhpc3
Entries 5
Mean 0.5463
RMS 0.2675
asymmetry new (emin=22.000000, emax=27.000000) PC
hasynhpc4
Entries 5
Mean 0.5066
RMS 0.2623
asymmetry new (emin=27.000000, emax=32.000000) PC
hasynhpc5
Entries 5
Mean 0.5729
RMS 0.2554
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

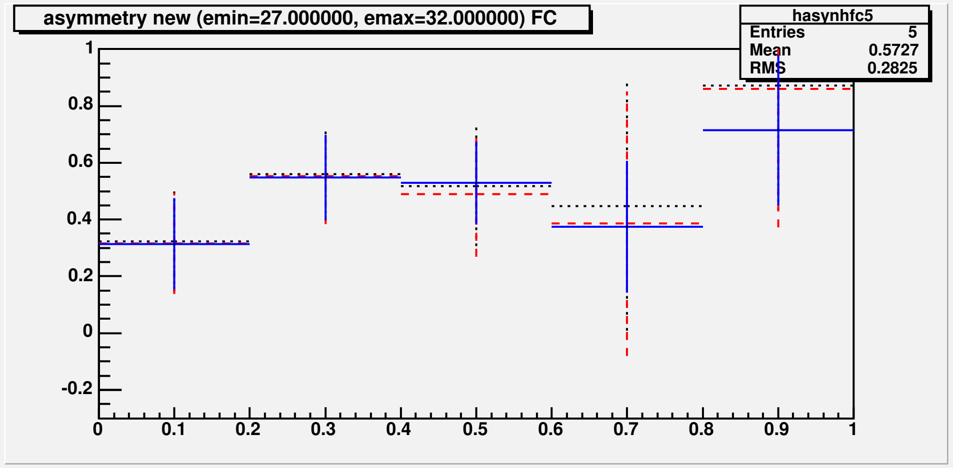

asymmetry new (emin=2.000000, emax=7.000000) FC
hasynhfc0
Entries 5
Mean 0.5028
RMS 0.2732
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

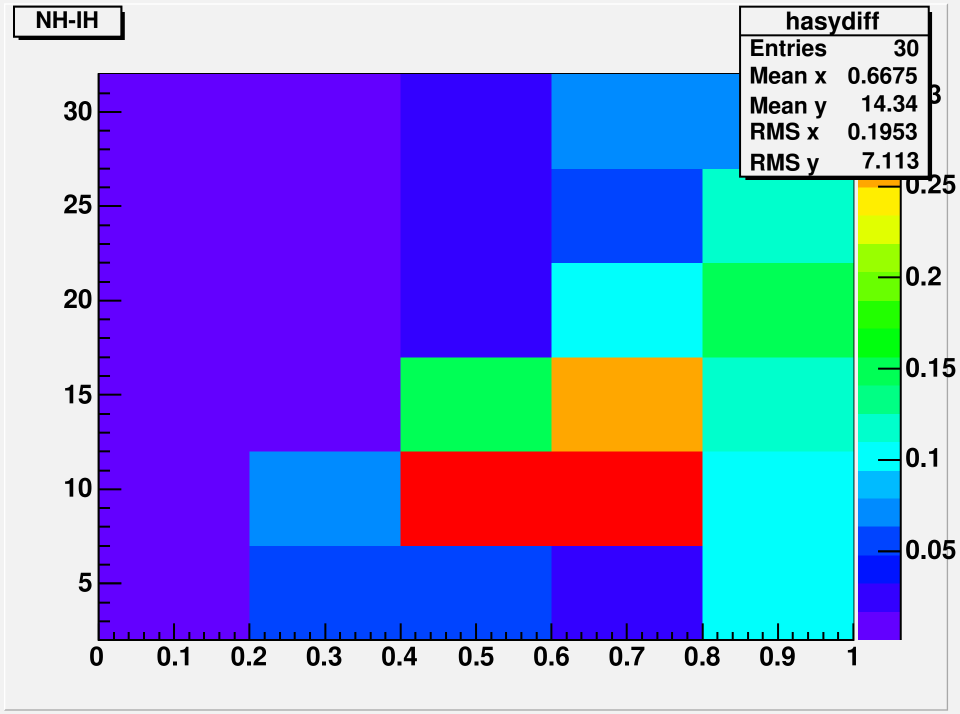

asymmetry new (emin=7.000000, emax=12.000000) FC
hasynhfc1
Entries 5
Mean 0.544
RMS 0.2892
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

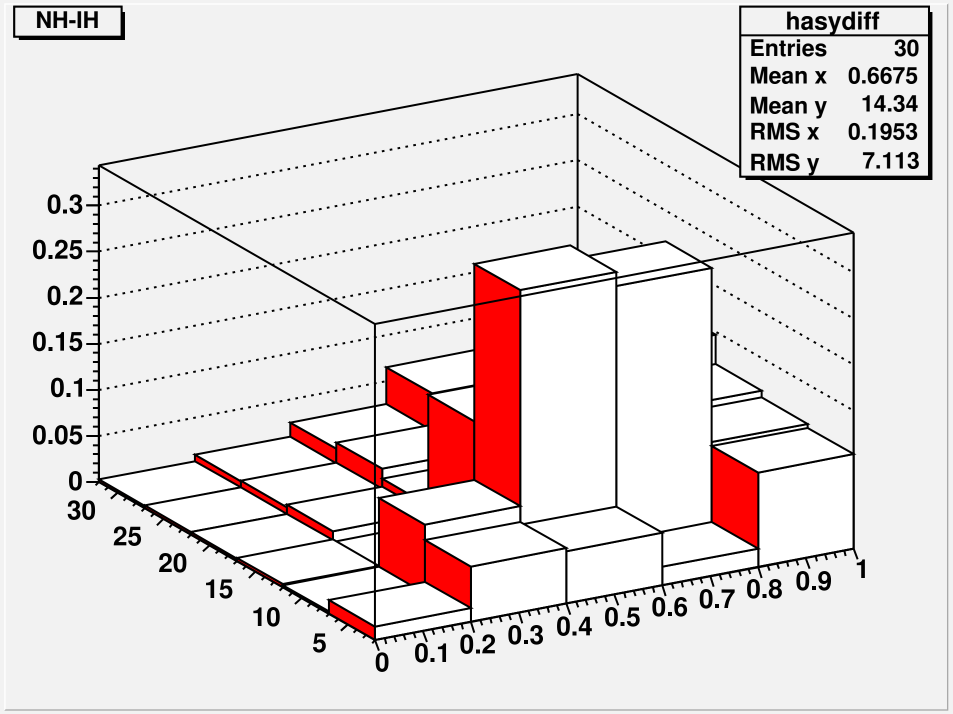

asymmetry new (emin=12.000000, emax=17.000000) FC
hasynhfc2
Entries 5
Mean 0.5193
RMS 0.2797
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

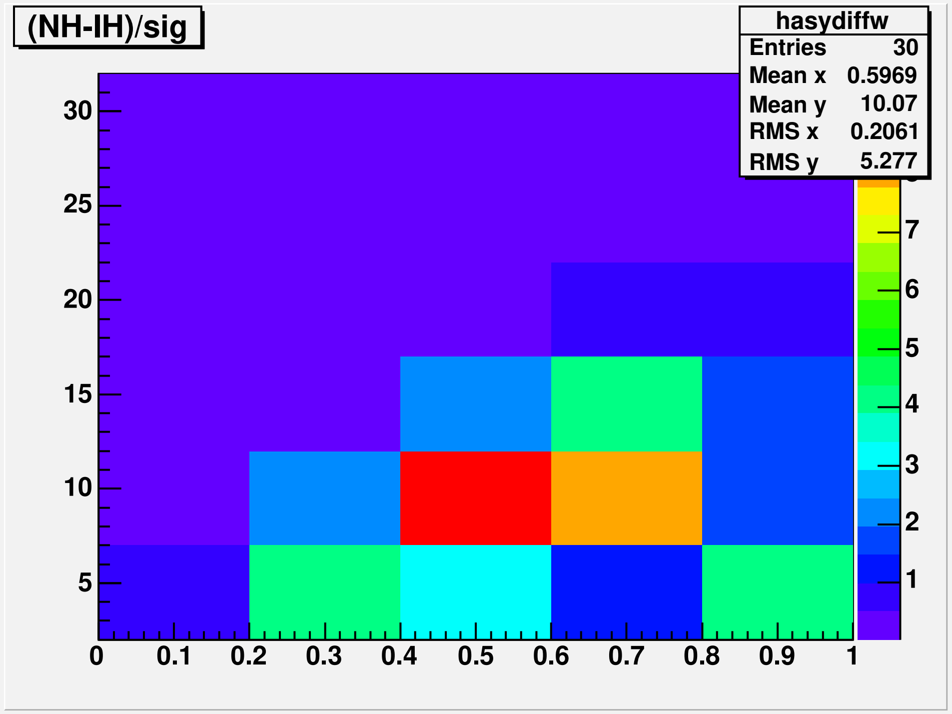

asymmetry new (emin=17.000000, emax=22.000000) FC
hasynhfc3
Entries 5
Mean 0.5236
RMS 0.2908
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

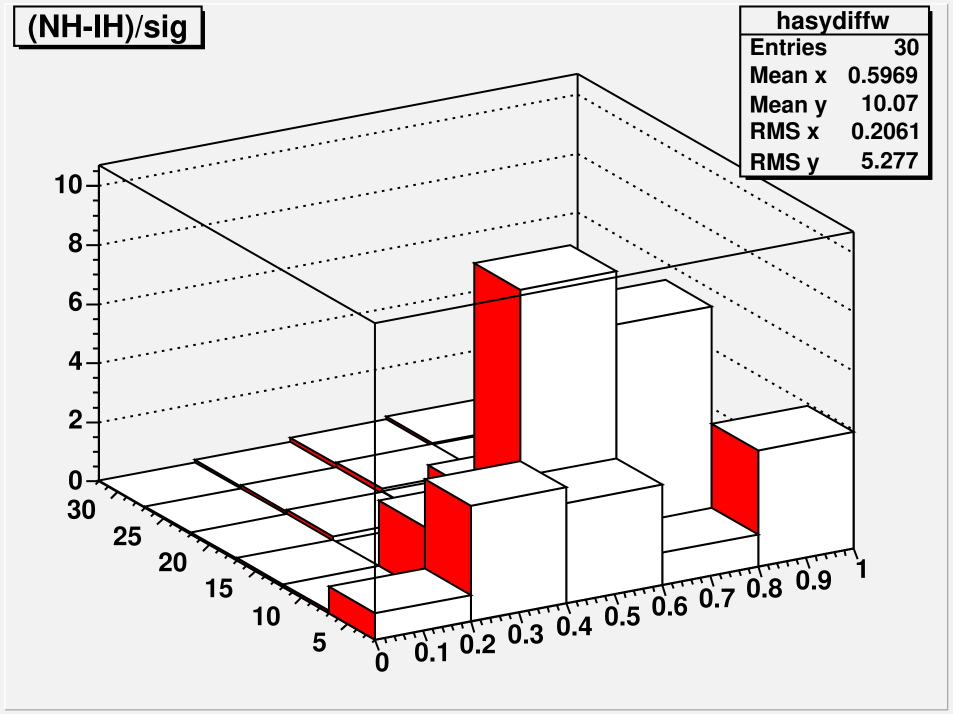

asymmetry new (emin=22.000000, emax=27.000000) FC
hasynhfc4
Entries 5
Mean 0.4106
RMS 0.1933
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

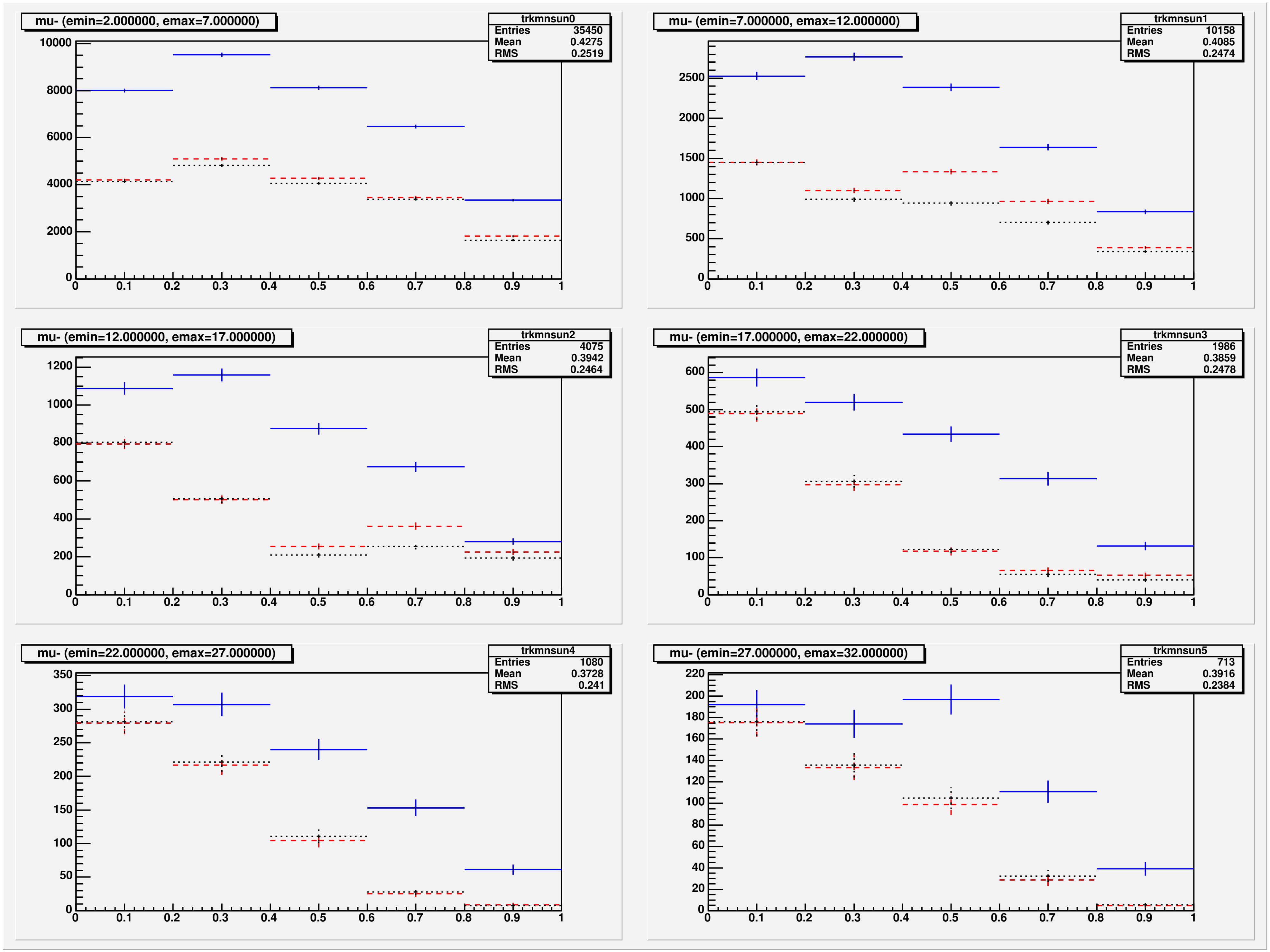

asymmetry new (emin=27.000000, emax=32.000000) FC
hasynhfc5
Entries 5
Mean 0.5727
RMS 0.2825
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

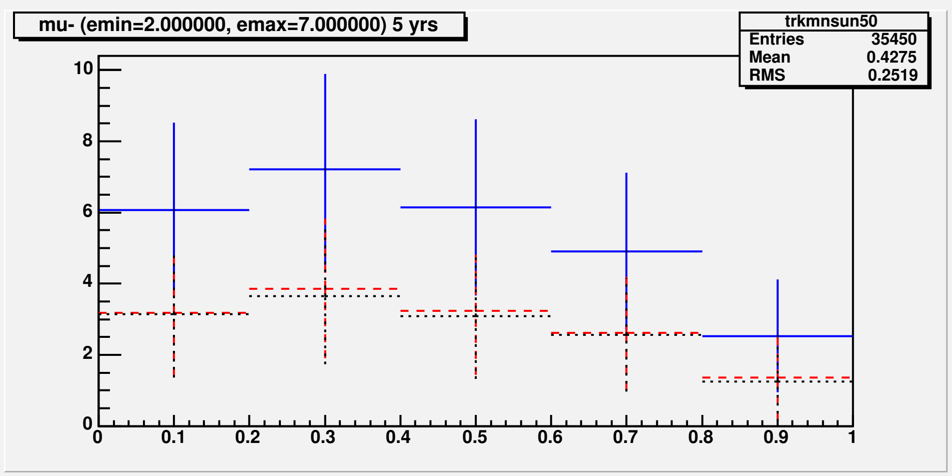

NH-IH

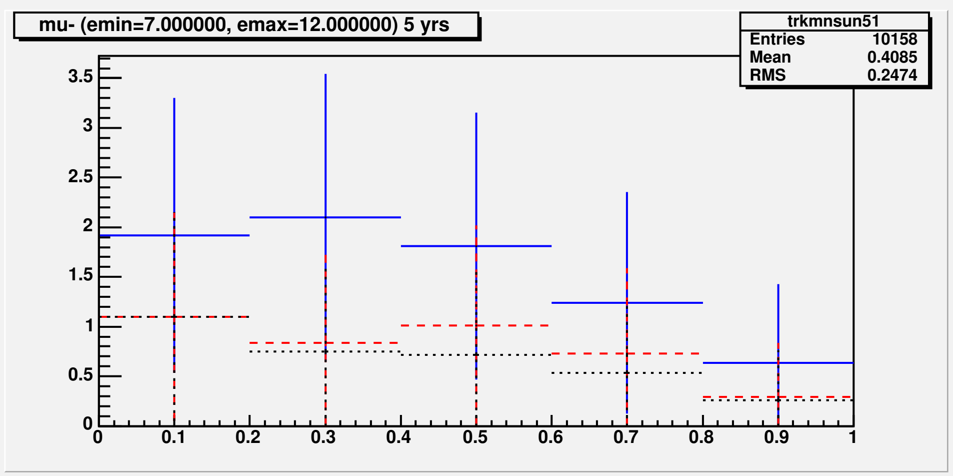

NH-IH

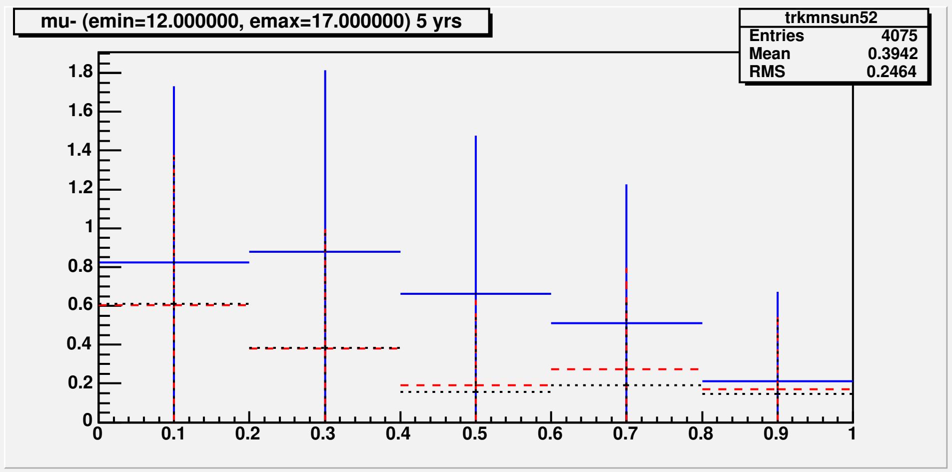

(NH-IH)/sig

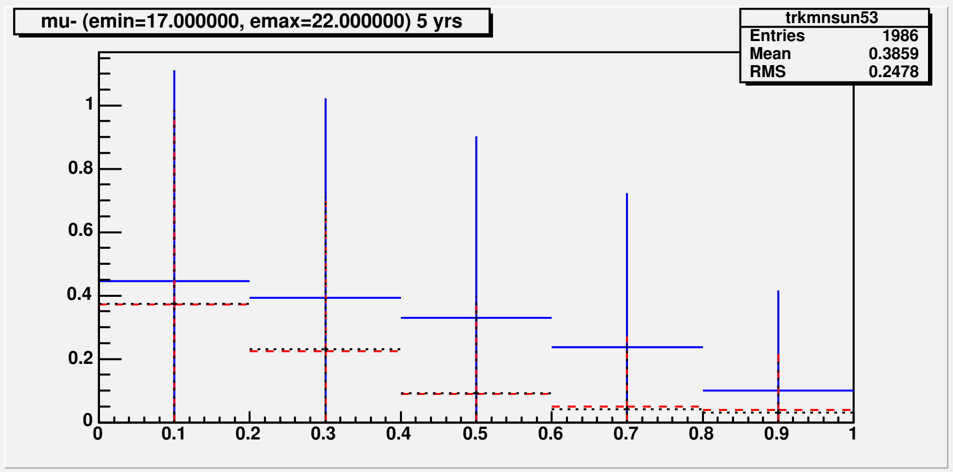

(NH-IH)/sig

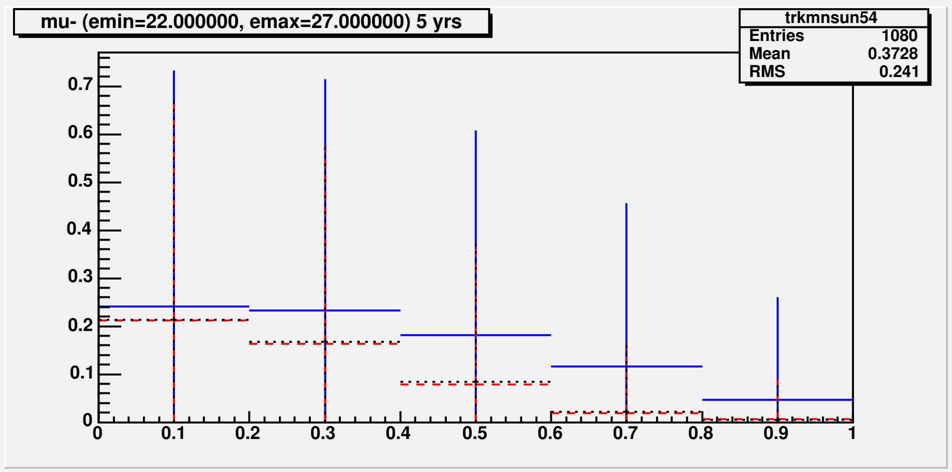

mu- (emin=2.000000, emax=7.000000)
trkmnsun0
Entries 35450
Mean 0.4275
RMS 0.2519
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu- (emin=7.000000, emax=12.000000)
trkmnsun1
Entries 10158
Mean 0.4085
RMS 0.2474
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu- (emin=12.000000, emax=17.000000)
trkmnsun2
Entries 4075
Mean 0.3942
RMS 0.2464
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu- (emin=17.000000, emax=22.000000)
trkmnsun3
Entries 1986
Mean 0.3859
RMS 0.2478
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu- (emin=22.000000, emax=27.000000)
trkmnsun4
Entries 1080
Mean 0.3728
RMS 0.241
350
300
250
200
150
100
50
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu- (emin=27.000000, emax=32.000000)
trkmnsun5
Entries 713
Mean 0.3916
RMS 0.2384
220
200
180
160
140
120
100
80
60
40
20
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

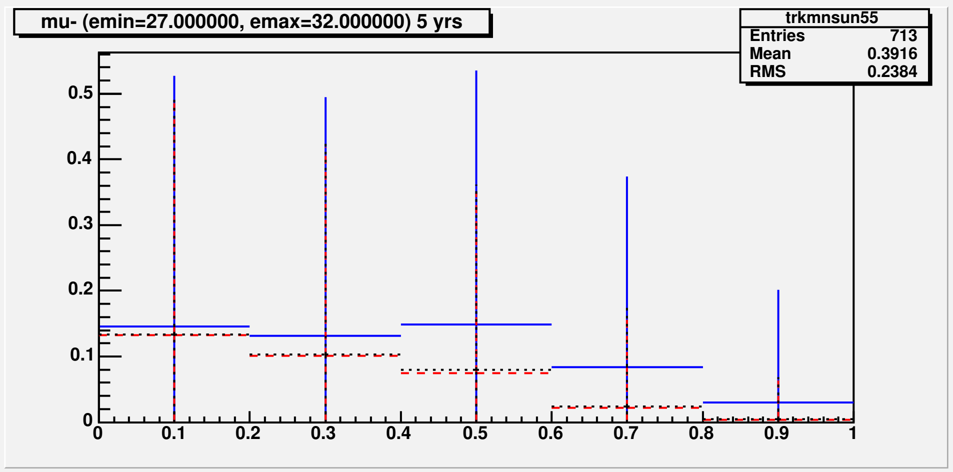

mu- (emin=2.000000, emax=7.000000) 5 yrs
trkmnsun50
Entries 35450
Mean 0.4275
RMS 0.2519
0
2
4
6
8
10
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

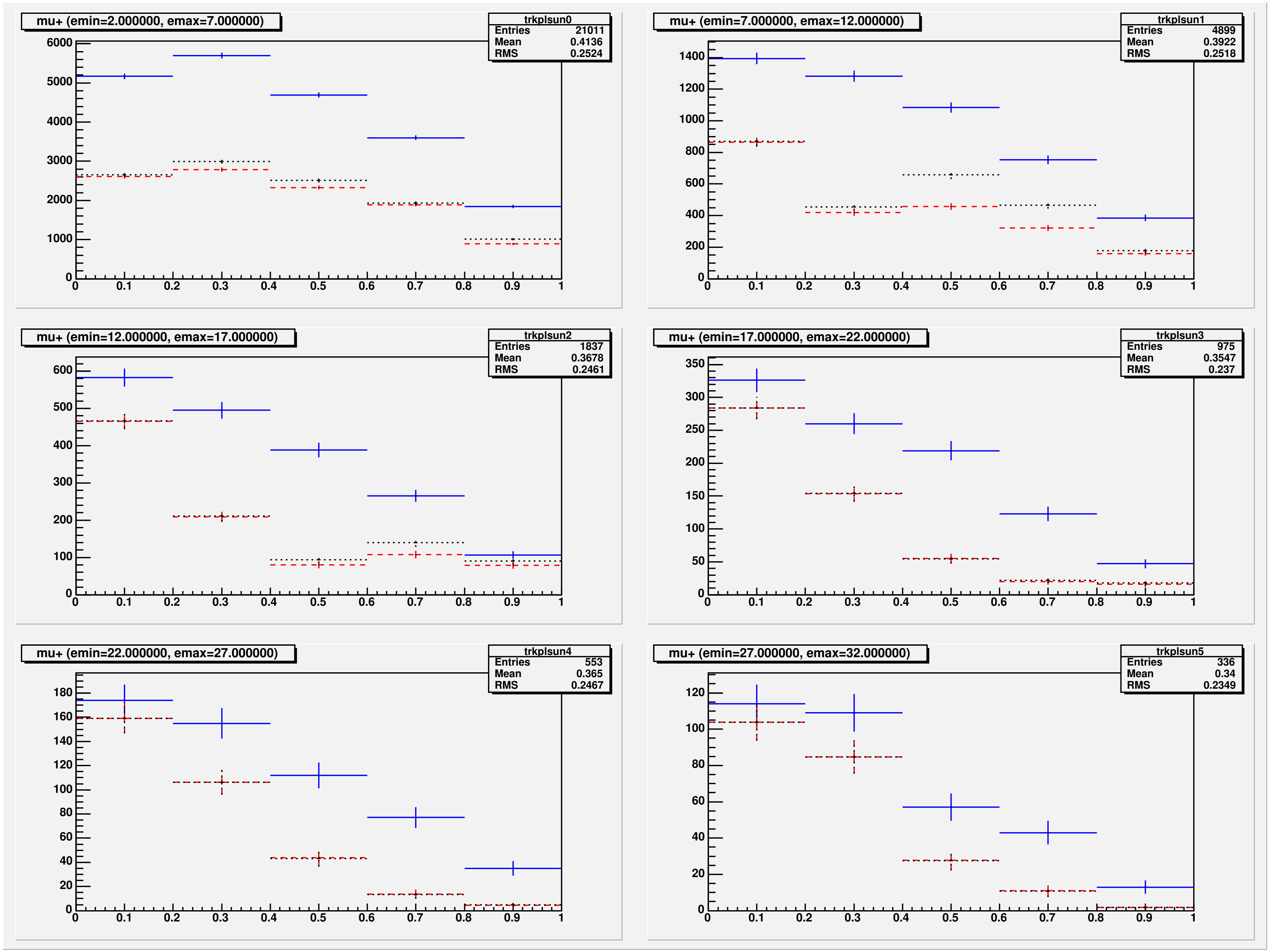

mu- (emin=7.000000, emax=12.000000) 5 yrs
trkmnsun51
Entries 10158
Mean 0.4085
RMS 0.2474
0
0.5
1
1.5
2
2.5
3
3.5
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

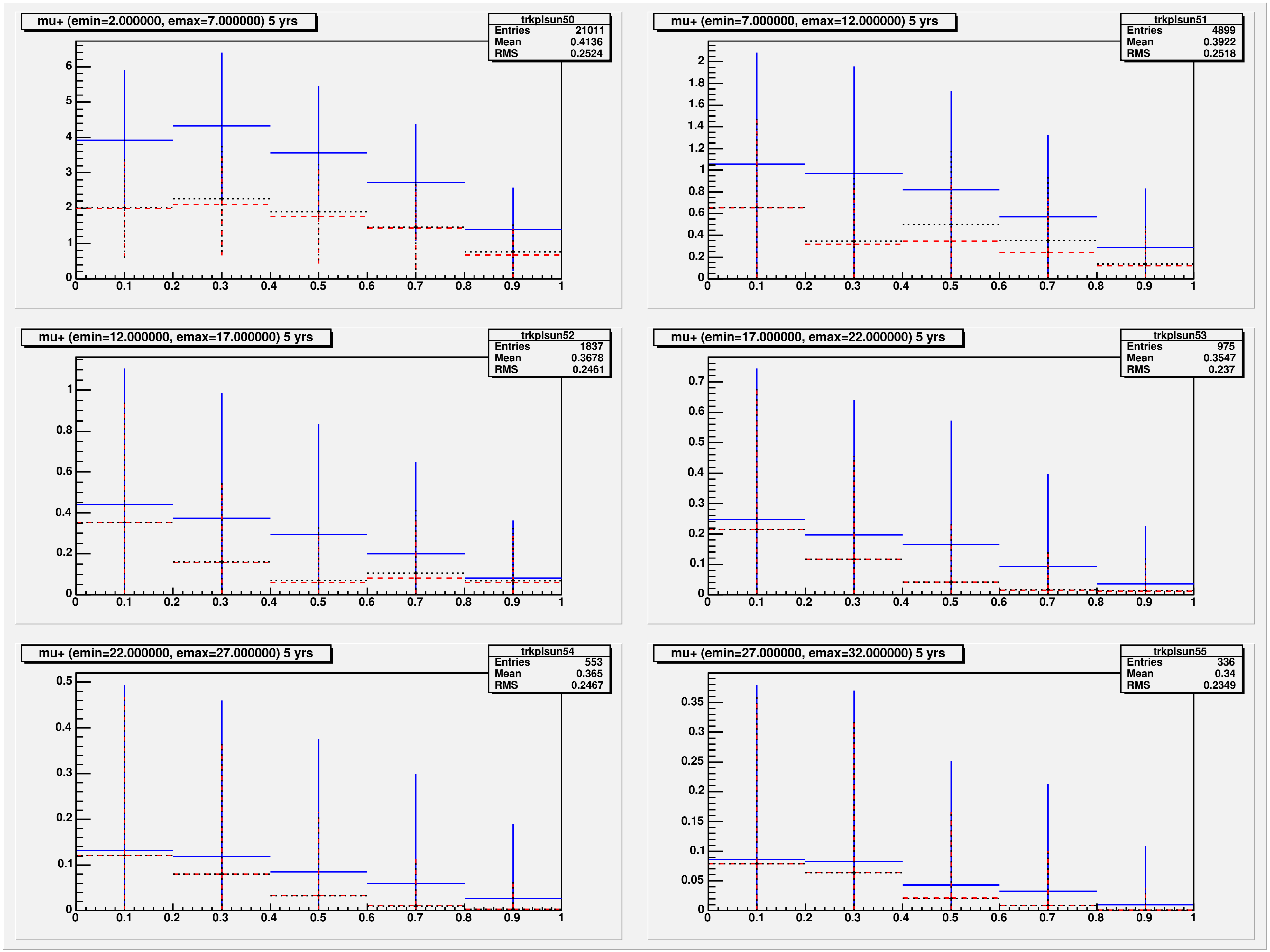

mu- (emin=12.000000, emax=17.000000) 5 yrs
trkmnsun52
Entries 4075
Mean 0.3942
RMS 0.2464
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

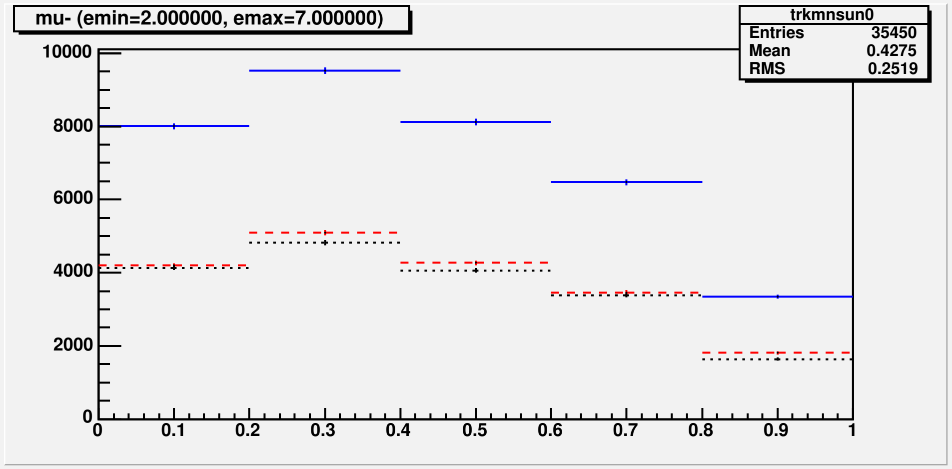

mu- (emin=17.000000, emax=22.000000) 5 yrs
trkmnsun53
Entries 1986
Mean 0.3859
RMS 0.2478
0
0.2
0.4
0.6
0.8
1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

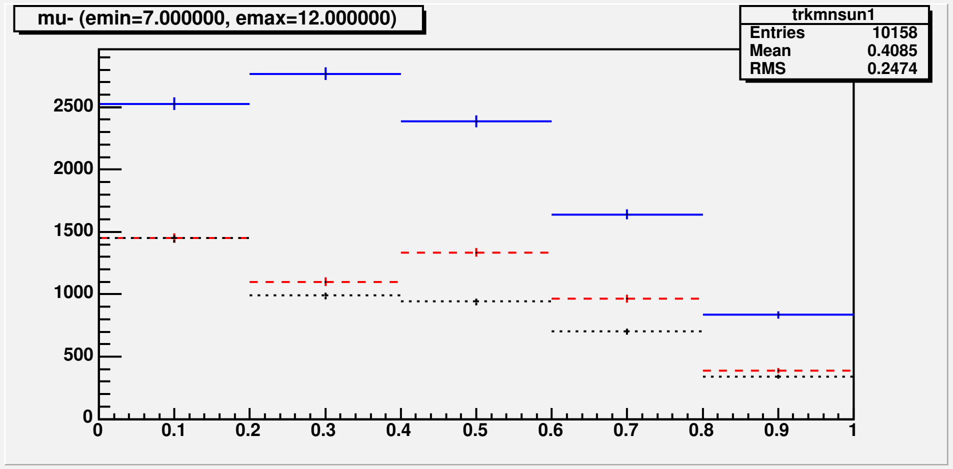

mu- (emin=22.000000, emax=27.000000) 5 yrs
trkmnsun54
Entries 1080
Mean 0.3728
RMS 0.241
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

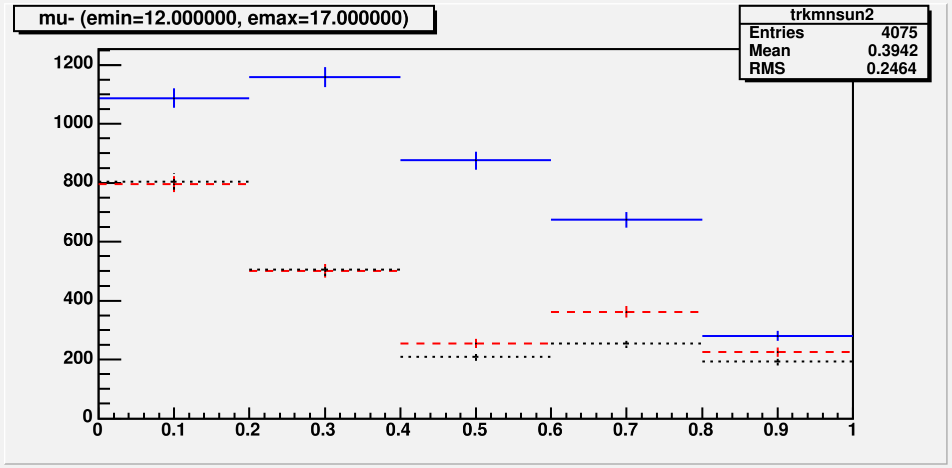

mu- (emin=27.000000, emax=32.000000) 5 yrs
trkmnsun55
Entries 713
Mean 0.3916
RMS 0.2384
0
0.1
0.2
0.3
0.4
0.5
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

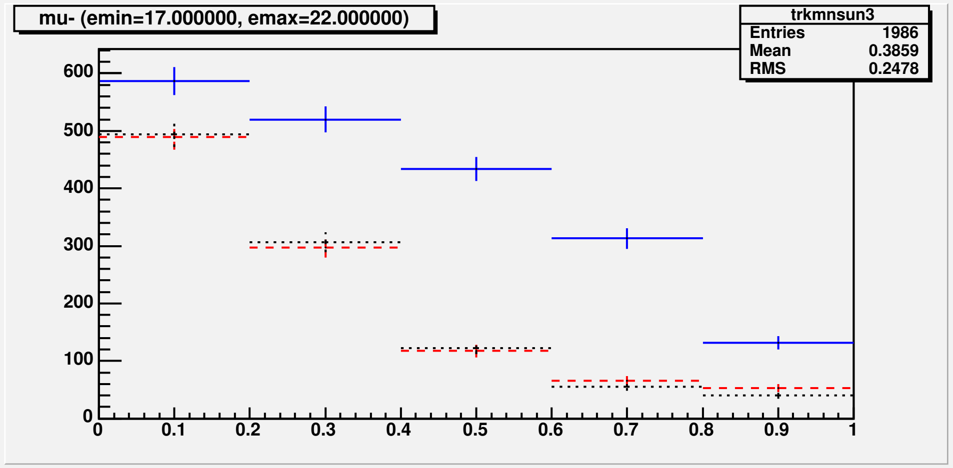

mu+ (emin=2.000000, emax=7.000000)
trkplsun0
Entries 21011
Mean 0.4136
RMS 0.2524
0 1000 2000 3000 4000 5000 6000
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu+ (emin=7.000000, emax=12.000000)
trkplsun1
Entries 4899
Mean 0.3922
RMS 0.2518
0 200 400 600 800 1000 1200 1400
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu+ (emin=12.000000, emax=17.000000)
trkplsun2
Entries 1837
Mean 0.3678
RMS 0.2461
0 100 200 300 400 500 600
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu+ (emin=17.000000, emax=22.000000)
trkplsun3
Entries 975
Mean 0.3547
RMS 0.237
0 50 100 150 200 250 300 350
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu+ (emin=22.000000, emax=27.000000)
trkplsun4
Entries 553
Mean 0.365
RMS 0.2467
0 20 40 60 80 100 120 140 160 180
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
mu+ (emin=27.000000, emax=32.000000)
trkplsun5
Entries 336
Mean 0.34
RMS 0.2349
0 20 40 60 80 100 120
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

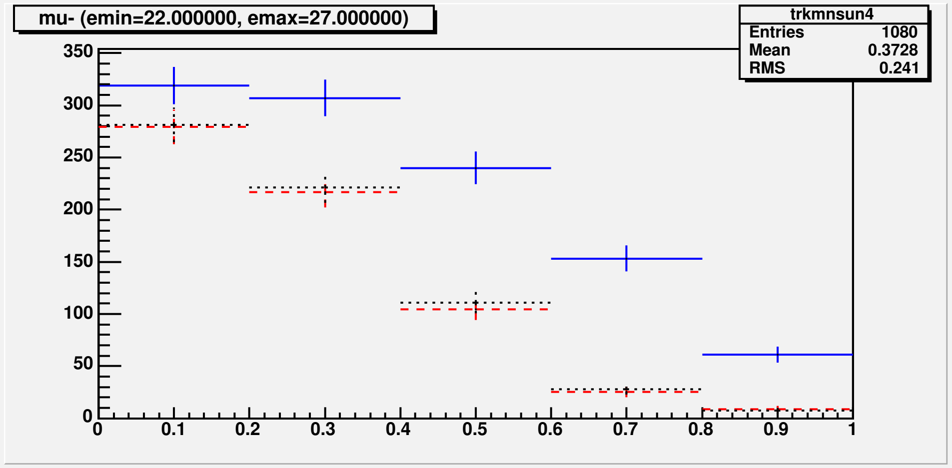

mu+ (emin=2.000000, emax=7.000000) 5 yrs
trkplsun50
Entries 21011
Mean 0.4136
RMS 0.2524
mu+ (emin=7.000000, emax=12.000000) 5 yrs
trkplsun51
Entries 4899
Mean 0.3922
RMS 0.2518
mu+ (emin=12.000000, emax=17.000000) 5 yrs
trkplsun52
Entries 1837
Mean 0.3678
RMS 0.2461
mu+ (emin=17.000000, emax=22.000000) 5 yrs
trkplsun53
Entries 975
Mean 0.3547
RMS 0.237
mu+ (emin=22.000000, emax=27.000000) 5 yrs
trkplsun54
Entries 553
Mean 0.365
RMS 0.2467
mu+ (emin=27.000000, emax=32.000000) 5 yrs
trkplsun55
Entries 336
Mean 0.34
RMS 0.2349
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

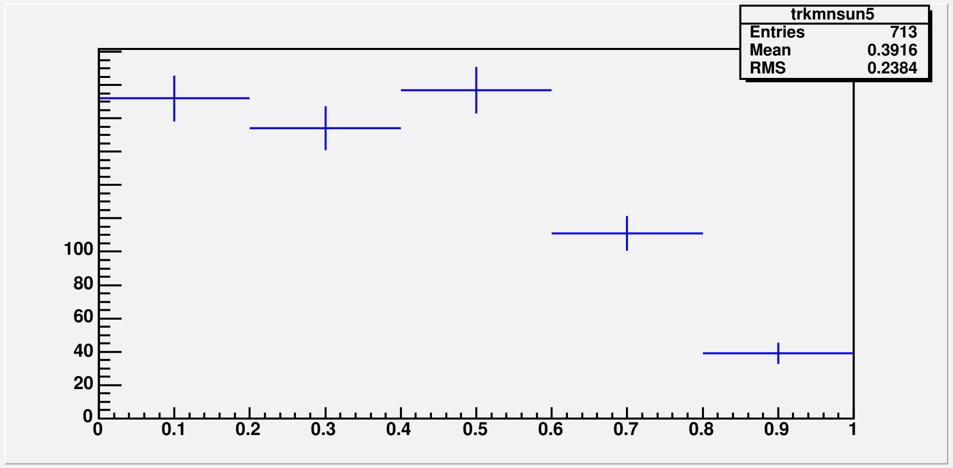

mu- (emin=2.000000, emax=7.000000)
trkmnsun0
Entries 35450
Mean 0.4275
RMS 0.2519
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


mu- (emin=7.000000, emax=12.000000)
trkmnsun1
Entries 10158
Mean 0.4085
RMS 0.2474
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


mu- (emin=12.000000, emax=17.000000)
trkmnsun2
Entries 4075
Mean 0.3942
RMS 0.2464
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


mu- (emin=17.000000, emax=22.000000)
trkmnsun3
Entries 1986
Mean 0.3859
RMS 0.2478
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


mu- (emin=22.000000, emax=27.000000)
trkmnsun4
Entries 1080
Mean 0.3728
RMS 0.241
350
300
250
200
150
100
50
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1


trkmnsun5
Entries 713
Mean 0.3916
RMS 0.2384
100
80
60
40
20
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1