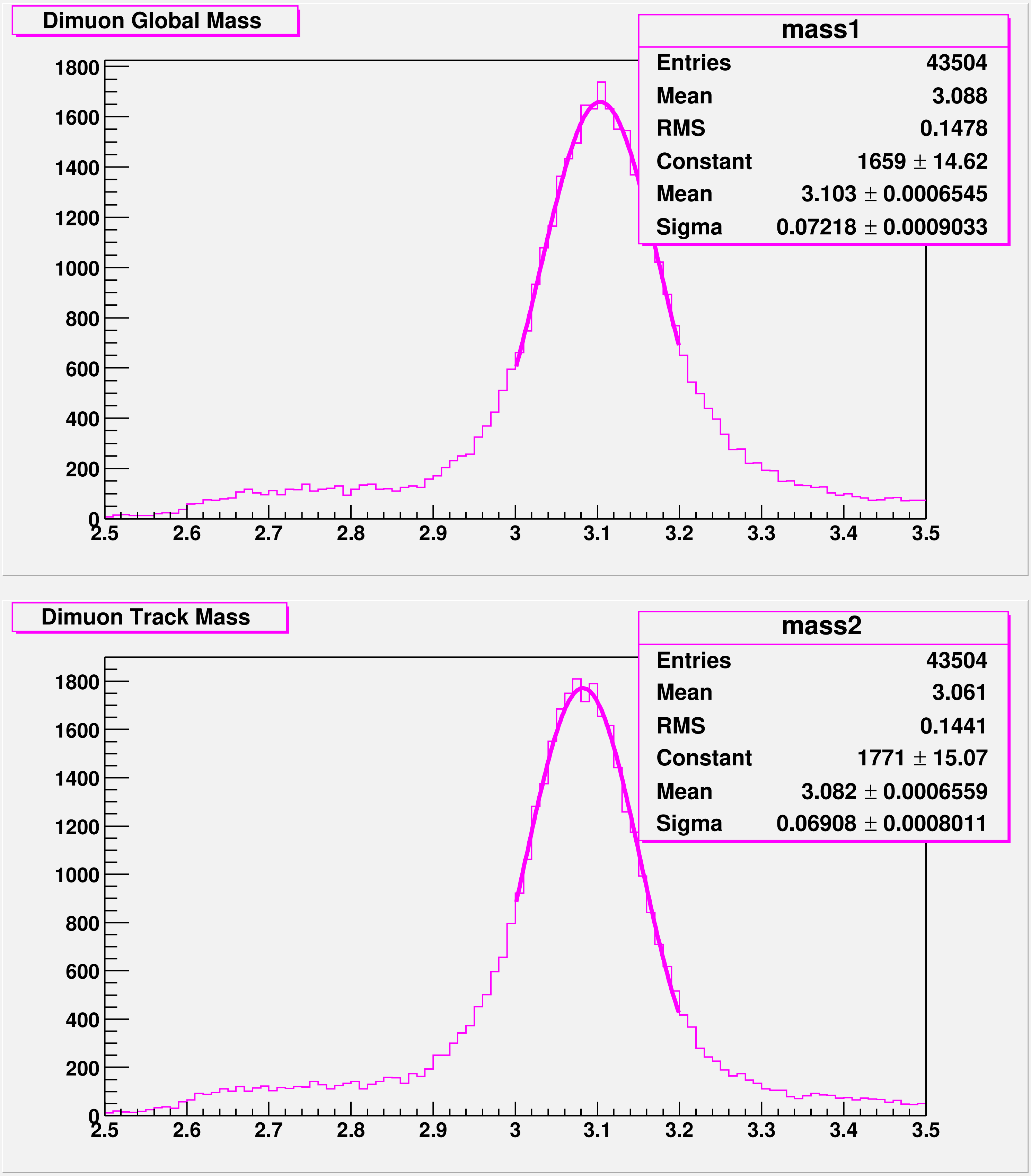
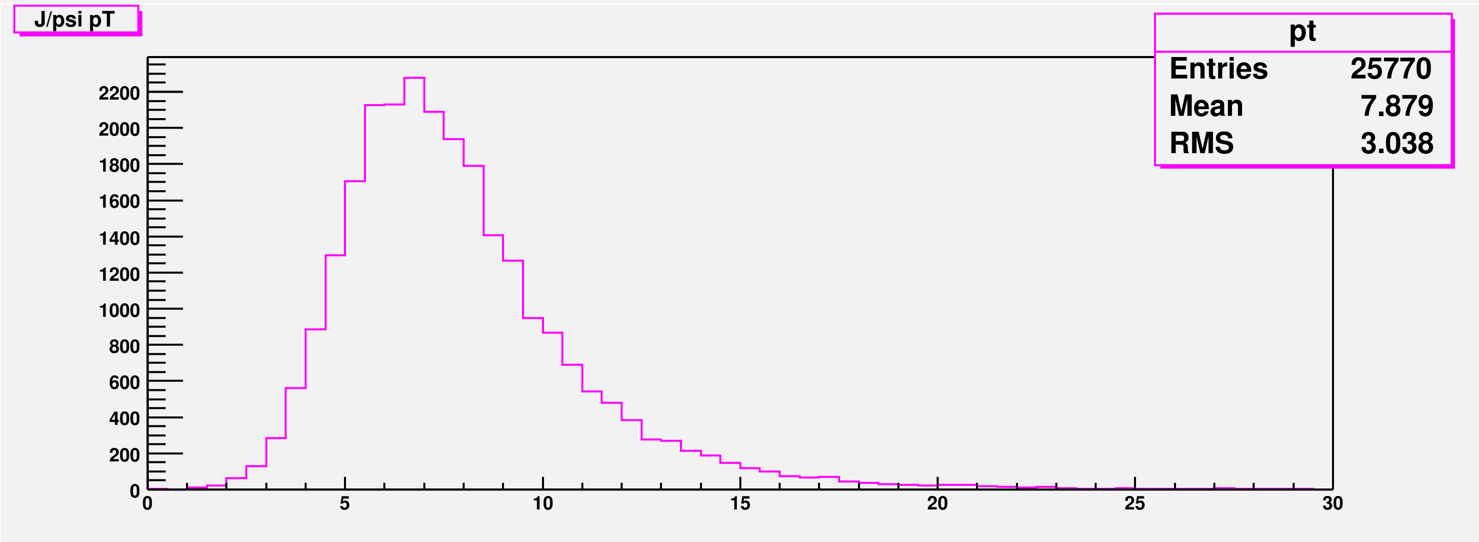
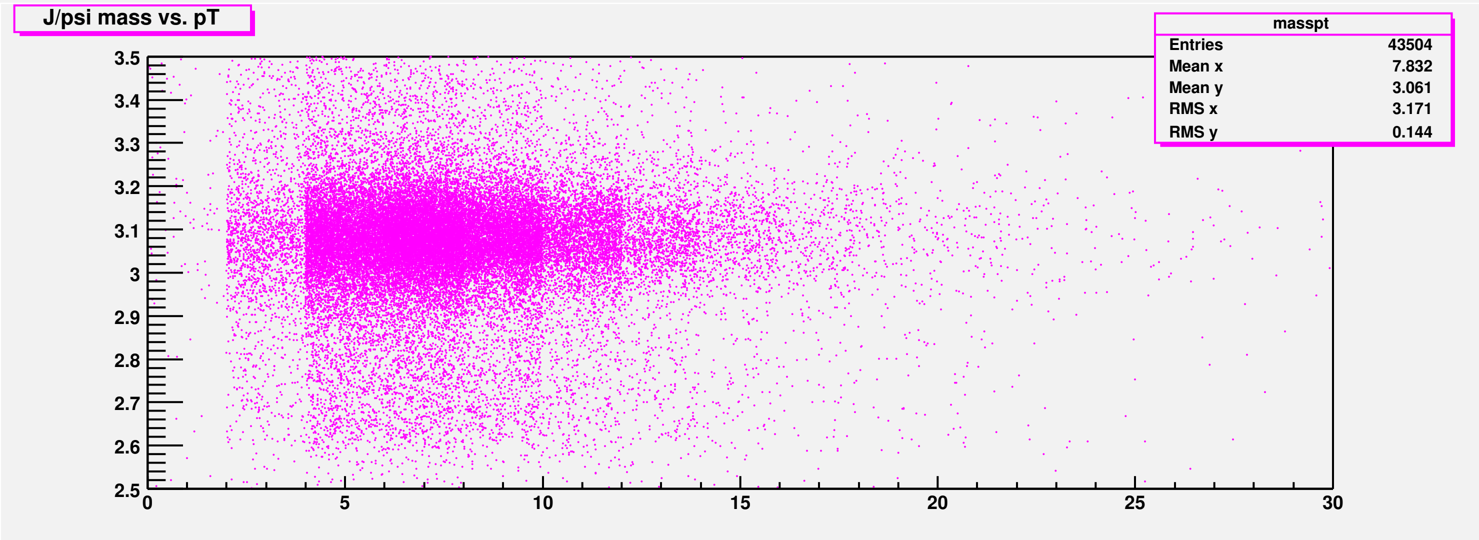
p14.05.01b

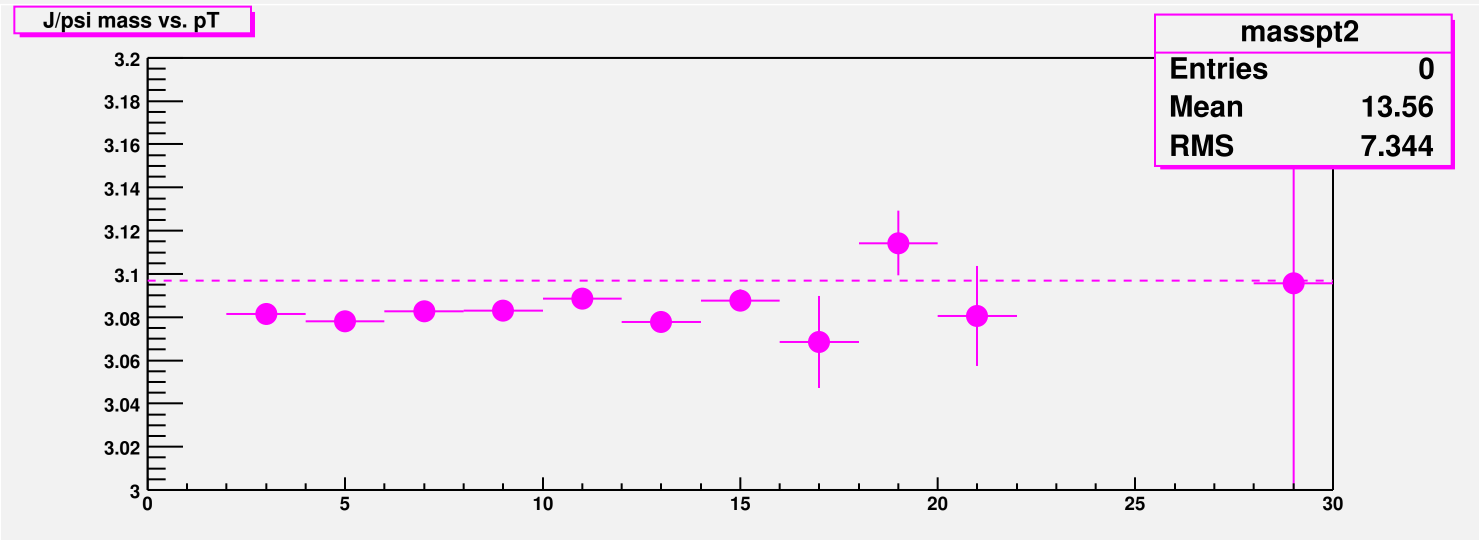


Dimuon Global Mass
mass1
Entries 43504
Mean 3.088
RMS 0.1478
Constant 1659 ± 14.62
Mean 3.103 ± 0.0006545
Sigma 0.07218 ± 0.0009033
0
200
400
600
800
1000
1200
1400
1600
1800
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
Dimuon Track Mass
mass2
Entries 43504
Mean 3.061
RMS 0.1441
Constant 1771 ± 15.07
Mean 3.082 ± 0.0006559
Sigma 0.06908 ± 0.0008011
0
200
400
600
800
1000
1200
1400
1600
1800
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5

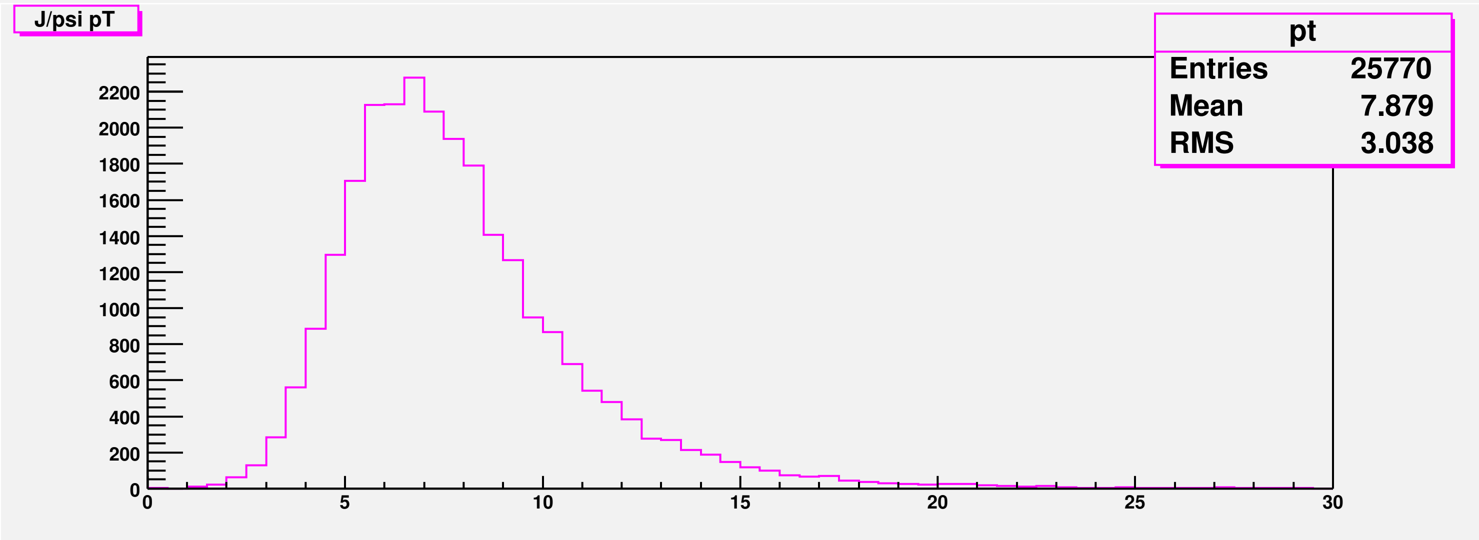
p14.05.01b

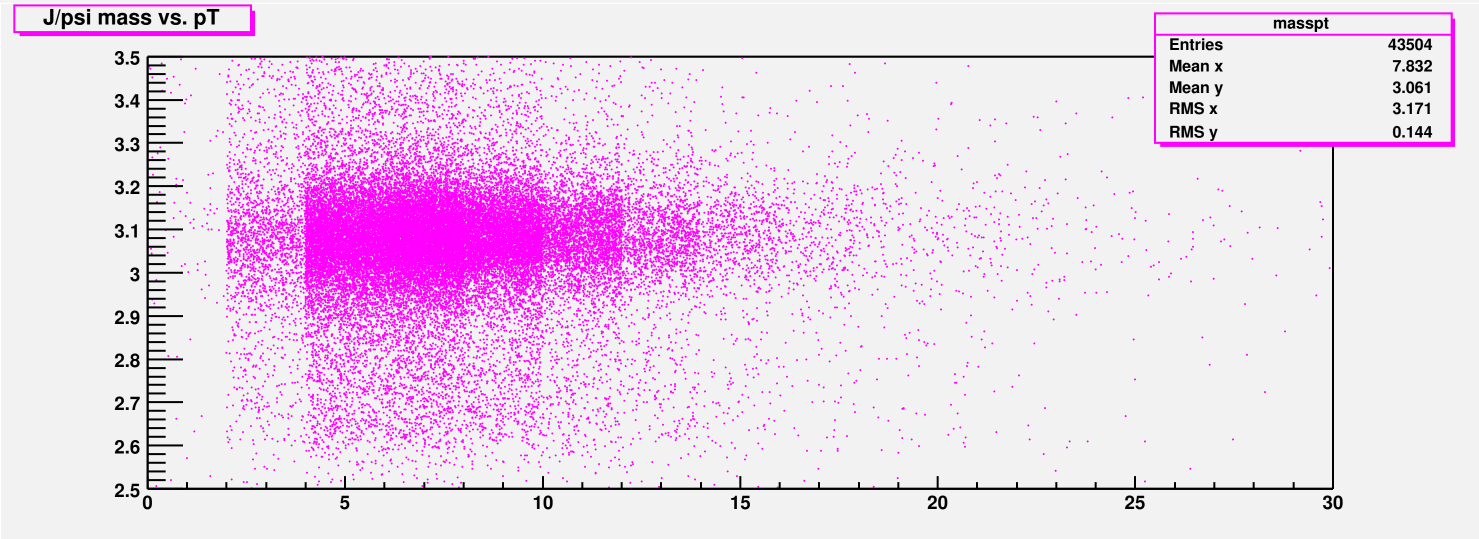

J/psi pT
pt
Entries 25770
Mean 7.879
RMS 3.038
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
5
10
15
20
25
30

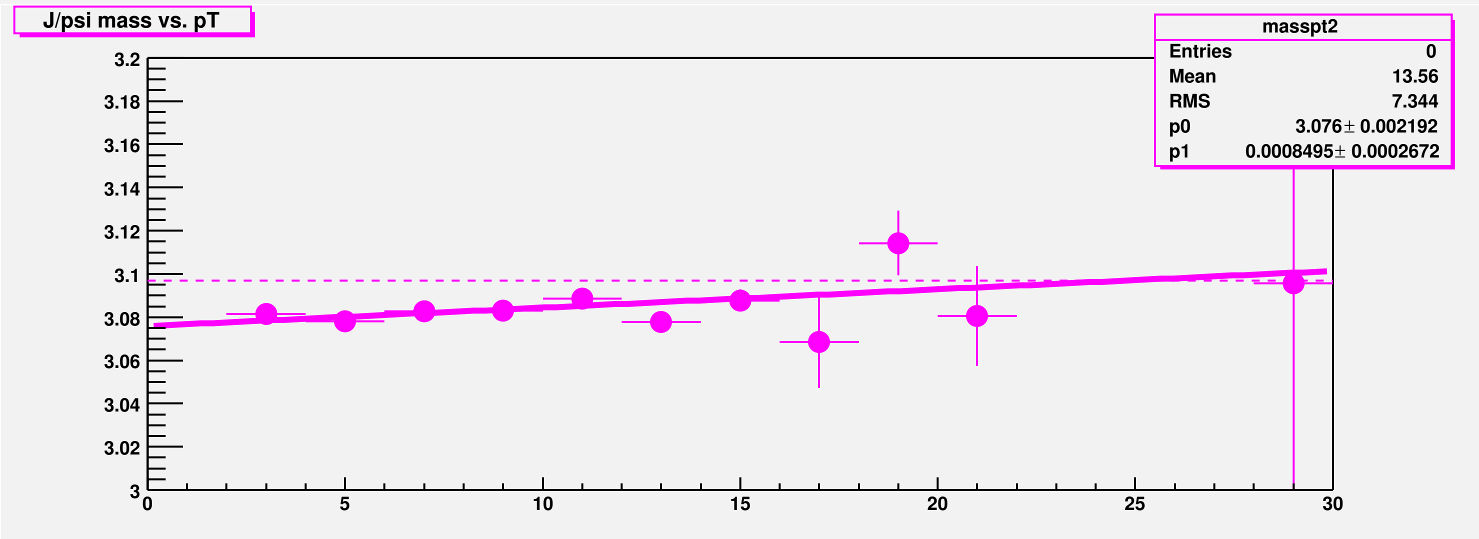

J/psi mass vs. pT
masspt
Entries 43504
Mean x 7.832
Mean y 3.061
RMS x 3.171
RMS y 0.144
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
0
5
10
15
20
25
30


J/psi mass vs. pT
masspt2
Entries 0
Mean 13.56
RMS 7.344
3
3.02
3.04
3.06
3.08
3.1
3.12
3.14
3.16
3.18
3.2
0
5
10
15
20
25
30

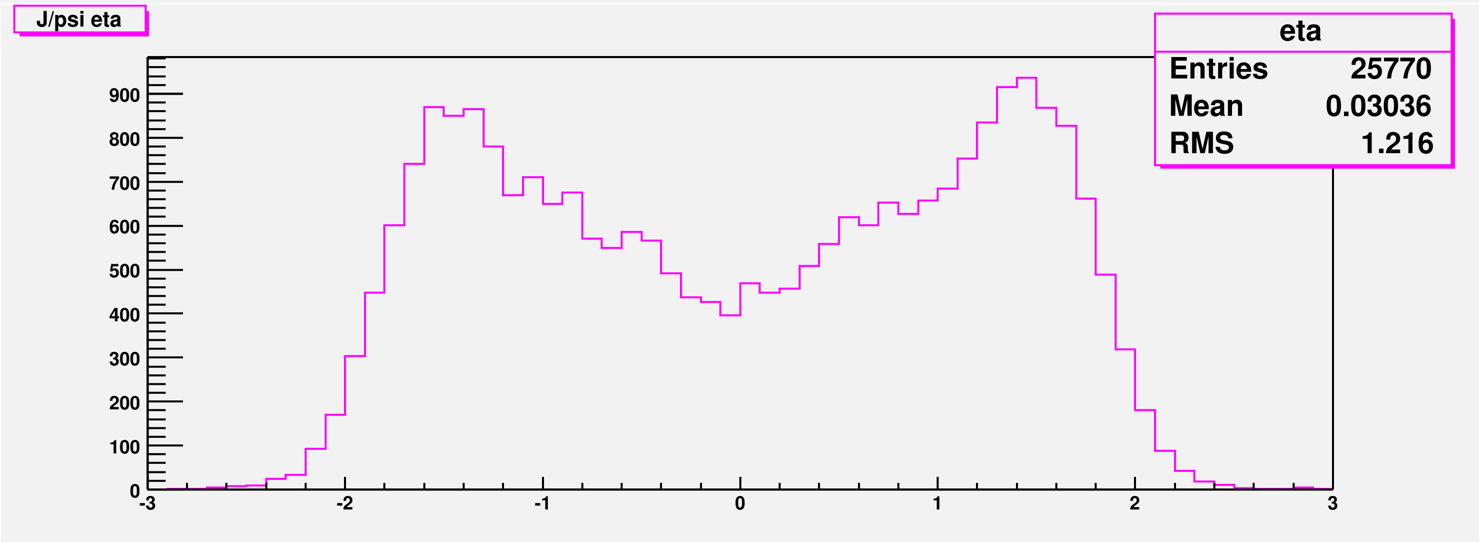
p14.05.01b

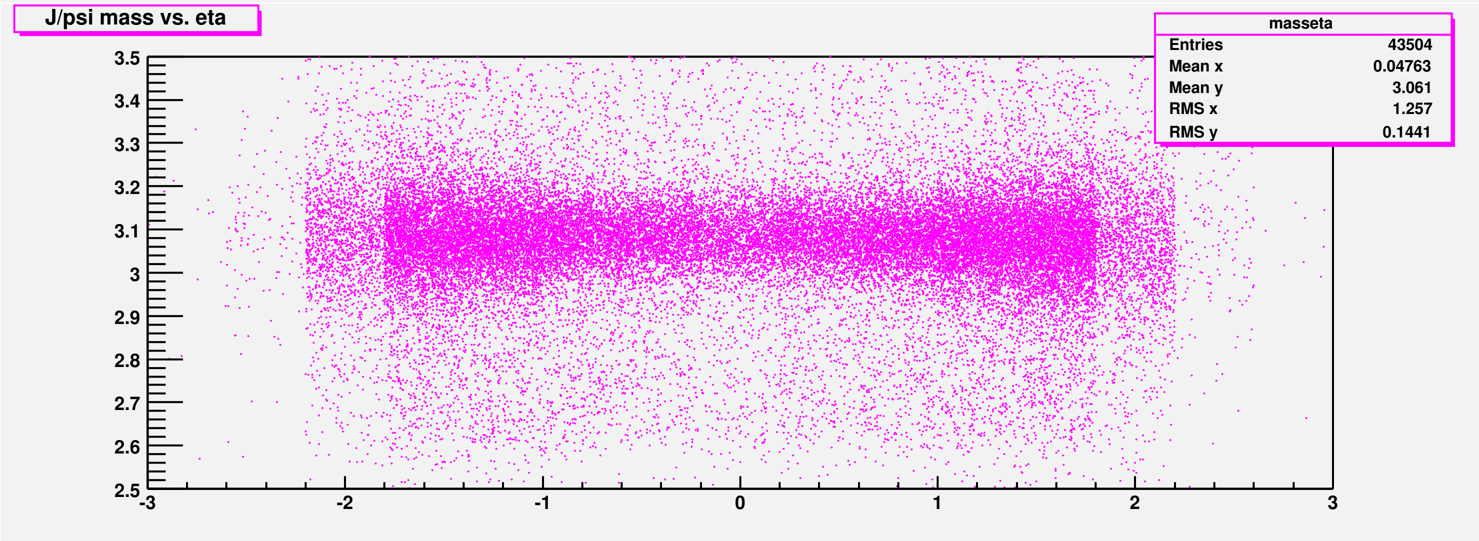

J/psi pT
pt
Entries 25770
Mean 7.879
RMS 3.038
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
5
10
15
20
25
30

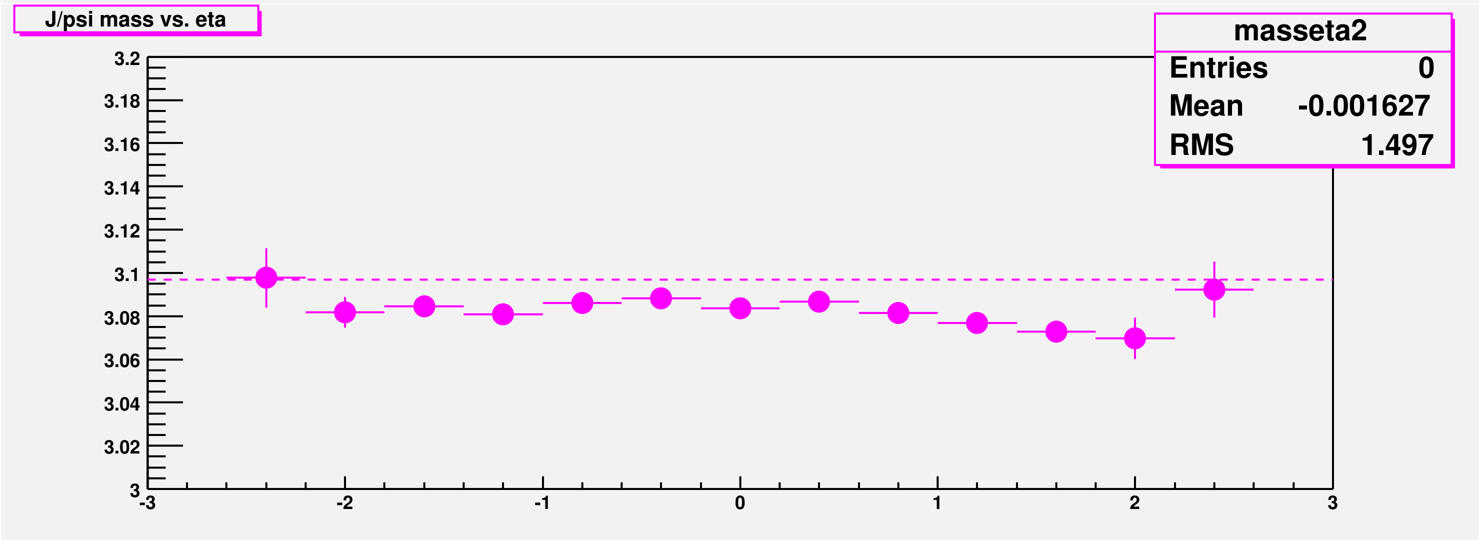

J/psi mass vs. pT
masspt
Entries 43504
Mean x 7.832
Mean y 3.061
RMS x 3.171
RMS y 0.144
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
0
5
10
15
20
25
30


J/psi mass vs. pT
masspt2
Entries 0
Mean 13.56
RMS 7.344
p0 3.076± 0.002192
p1 0.0008495± 0.0002672
3
3.02
3.04
3.06
3.08
3.1
3.12
3.14
3.16
3.18
3.2
0
5
10
15
20
25
30

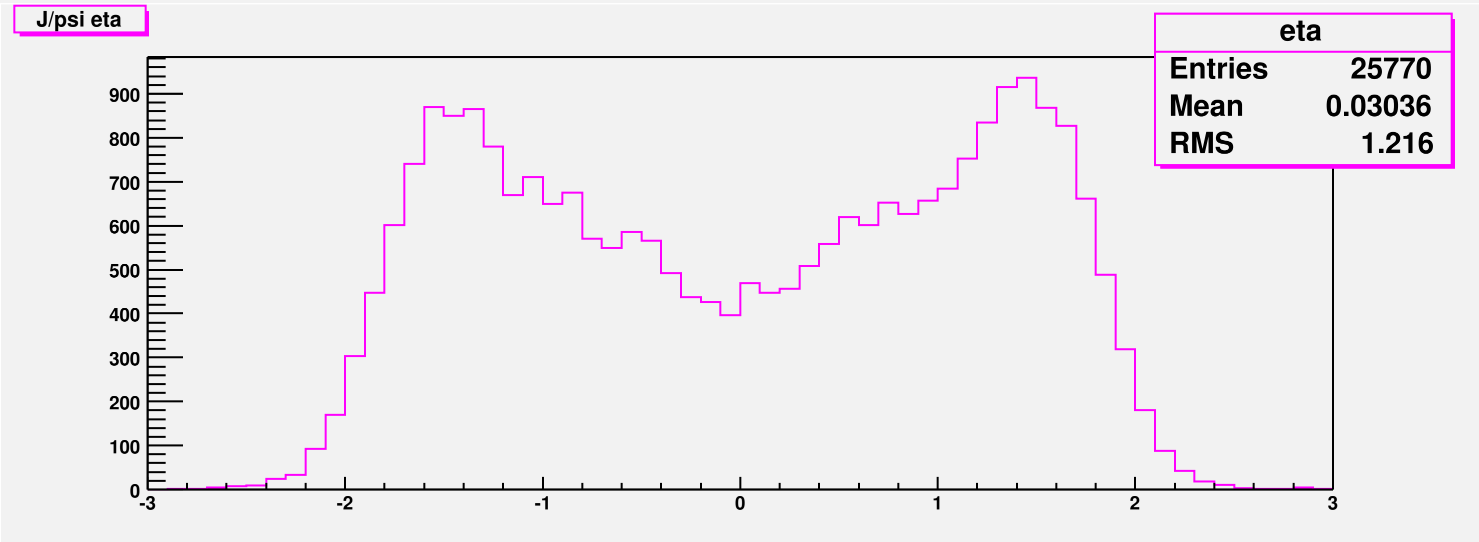
p14.05.01b


J/psi eta
eta
Entries 25770
Mean 0.03036
RMS 1.216
0 100 200 300 400 500 600 700 800 900
-3 -2 -1 0 1 2 3

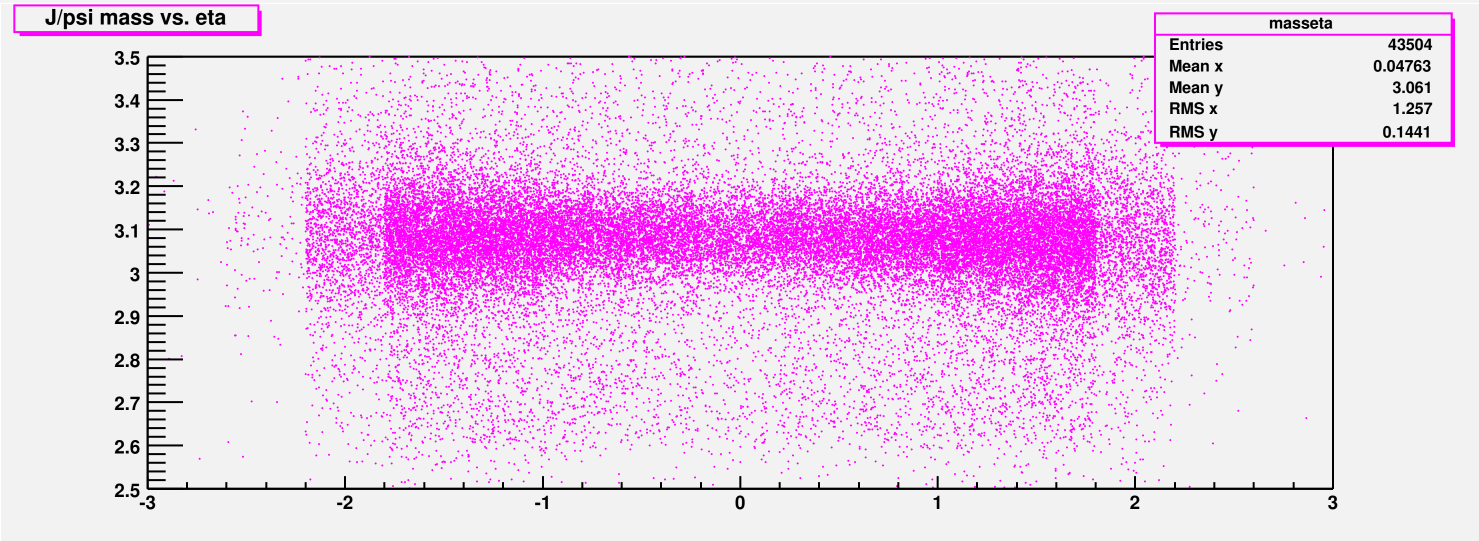

J/psi mass vs. eta
masseta
Entries 43504
Mean x 0.04763
Mean y 3.061
RMS x 1.257
RMS y 0.1441
2.5 2.6 2.7 2.8 2.9 3 3.1 3.2 3.3 3.4 3.5
-3 -2 -1 0 1 2 3


J/psi mass vs. eta
masseta2
Entries 0
Mean -0.001627
RMS 1.497
3 3.02 3.04 3.06 3.08 3.1 3.12 3.14 3.16 3.18 3.2
-3 -2 -1 0 1 2 3

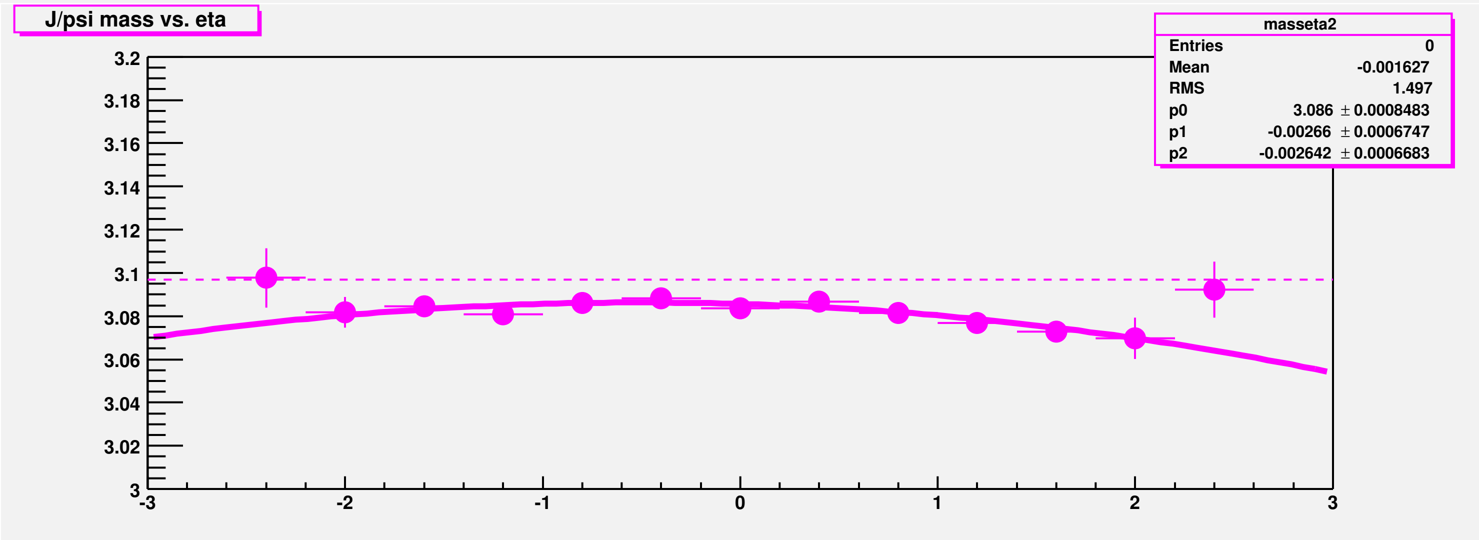
p14.05.01b



J/psi eta
eta
Entries 25770
Mean 0.03036
RMS 1.216

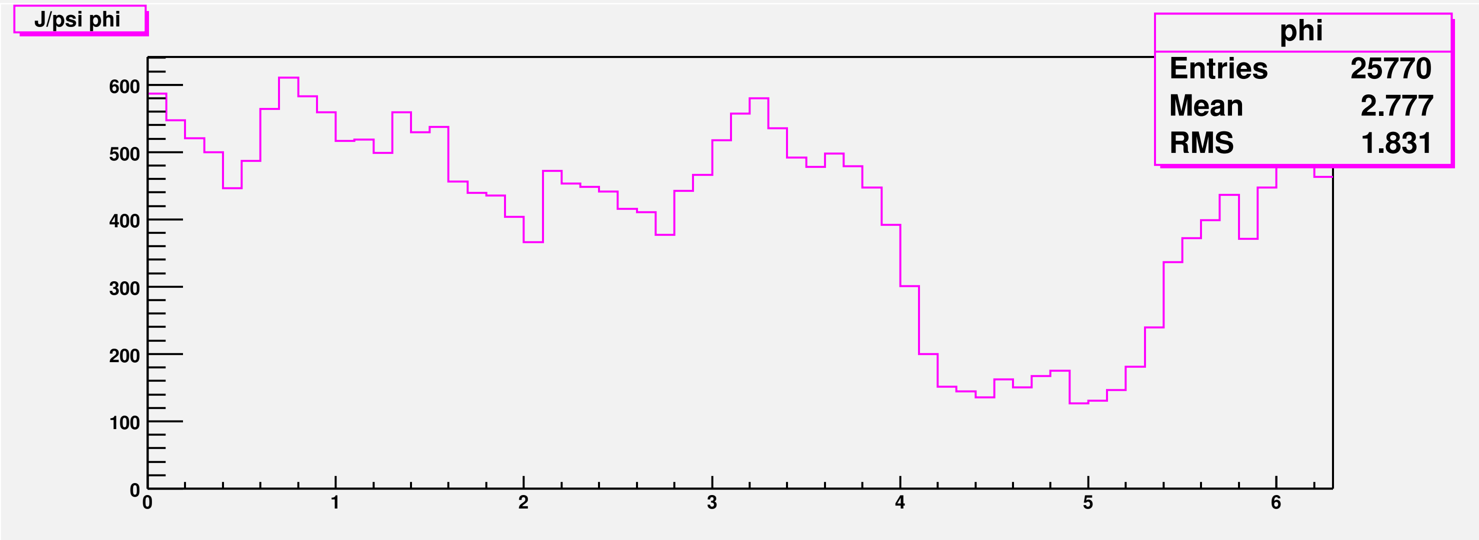


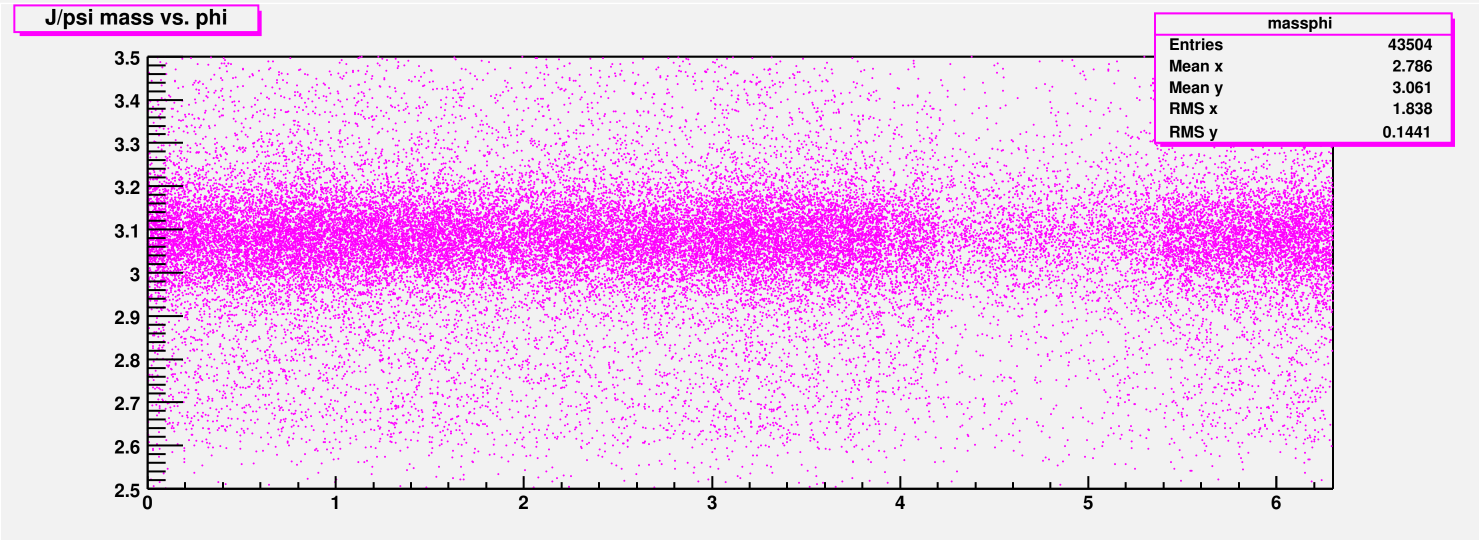
J/psi mass vs. eta
masseta
Entries 43504
Mean x 0.04763
Mean y 3.061
RMS x 1.257
RMS y 0.1441

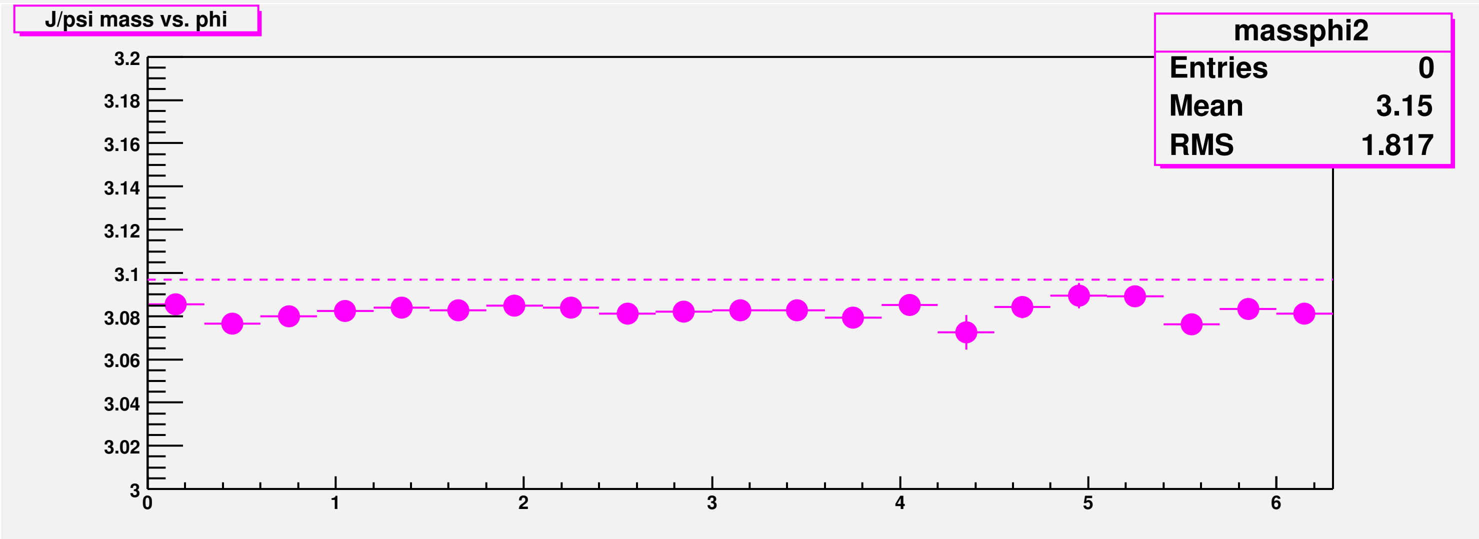


J/psi mass vs. eta
masseta2
Entries 0
Mean -0.001627
RMS 1.497
p0 3.086 ± 0.0008483
p1 -0.00266 ± 0.0006747
p2 -0.002642 ± 0.0006683

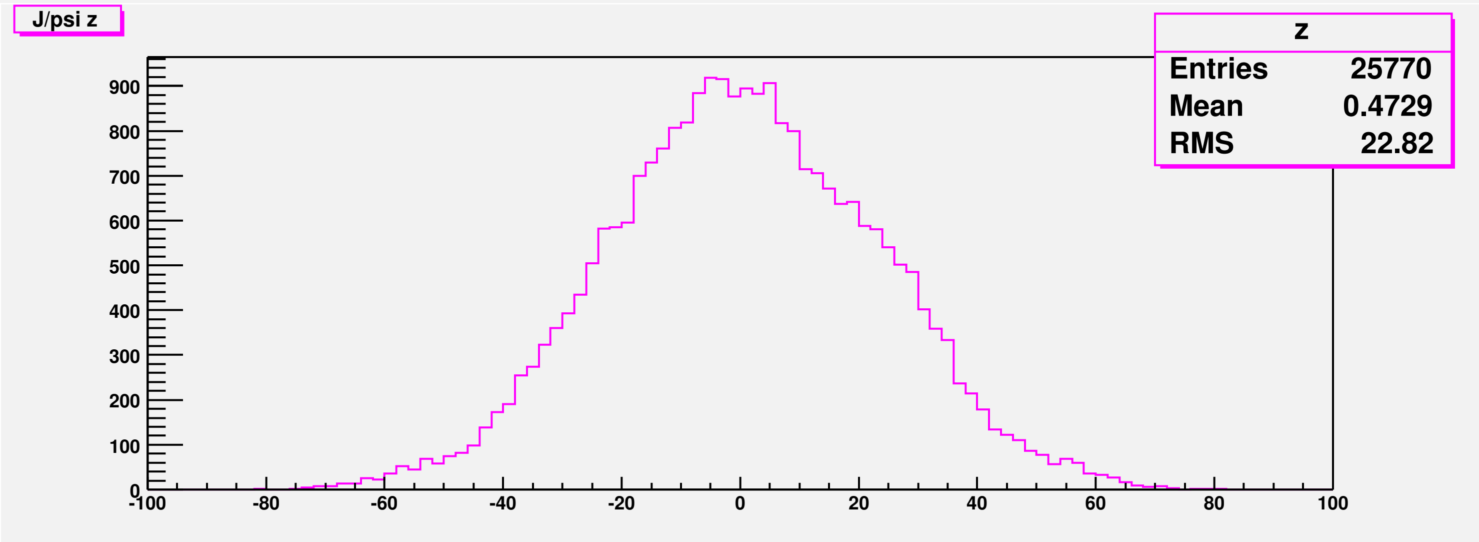
p14.05.01b

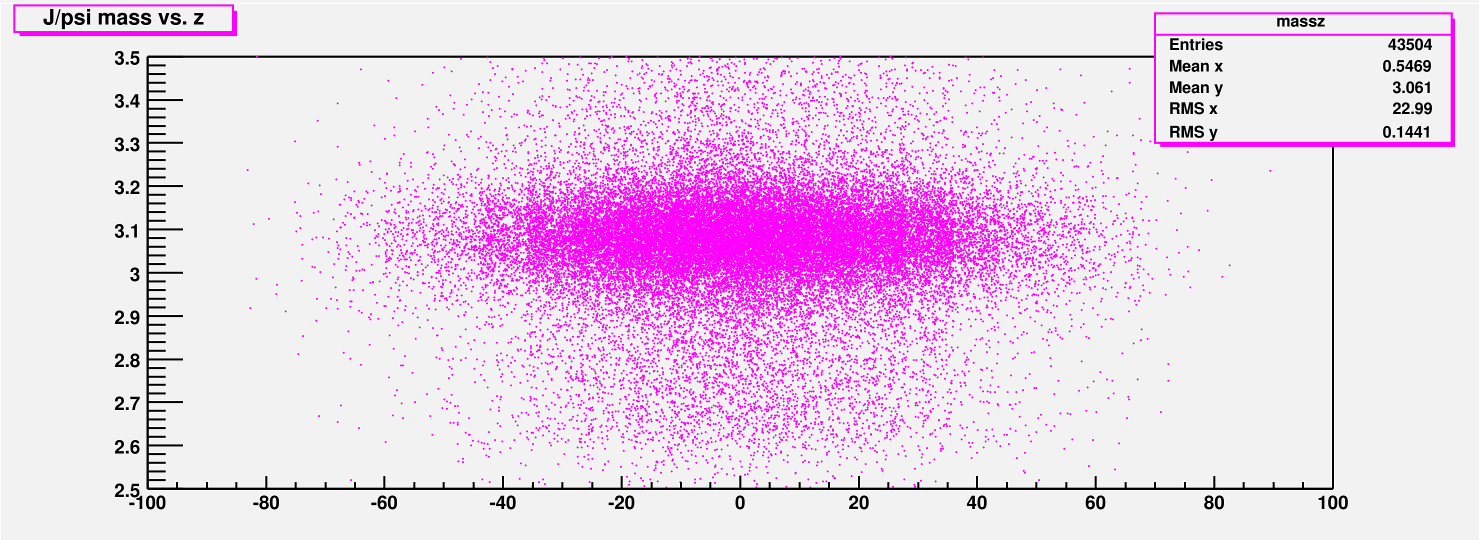

J/psi phi
phi
Entries 25770
Mean 2.777
RMS 1.831

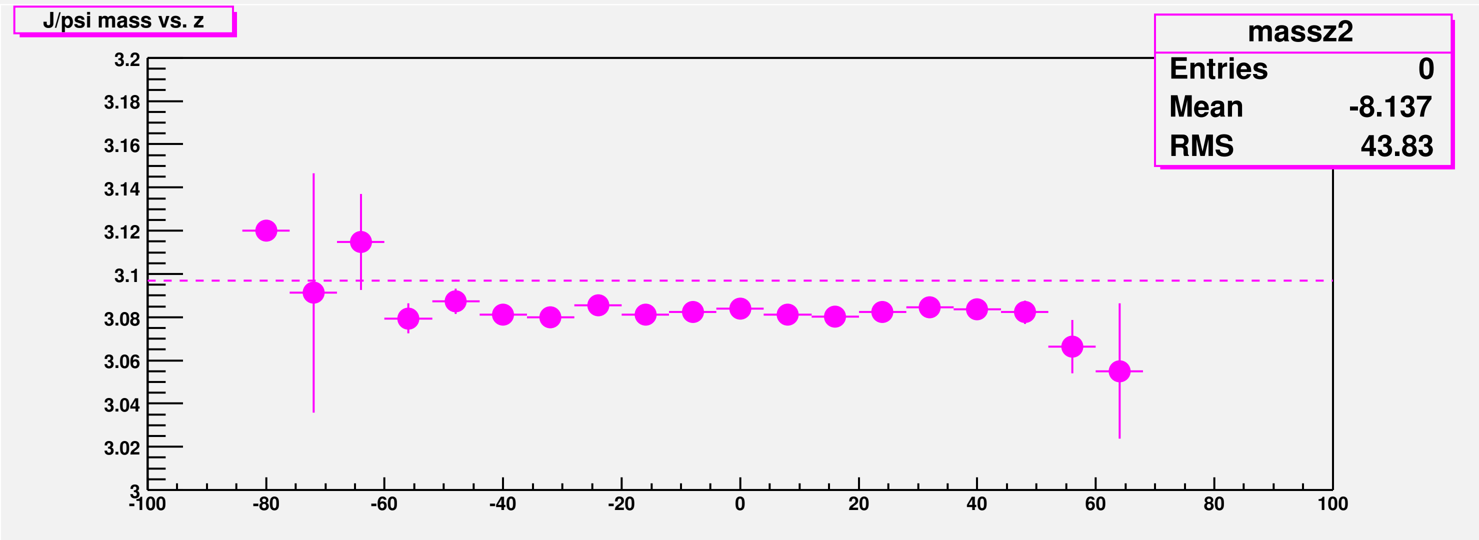

J/psi mass vs. phi
massphi
Entries 43504
Mean x 2.786
Mean y 3.061
RMS x 1.838
RMS y 0.1441


J/psi mass vs. phi
massphi2
Entries 0
Mean 3.15
RMS 1.817

p14.05.01b


J/psi z
z
Entries 25770
Mean 0.4729
RMS 22.82
900
800
700
600
500
400
300
200
100
0
-100
-80
-60
-40
-20
0
20
40
60
80
100


J/psi mass vs. z
massz
Entries 43504
Mean x 0.5469
Mean y 3.061
RMS x 22.99
RMS y 0.1441
3.5
3.4
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
-100
-80
-60
-40
-20
0
20
40
60
80
100


J/psi mass vs. z
massz2
Entries 0
Mean -8.137
RMS 43.83
3.2
3.18
3.16
3.14
3.12
3.1
3.08
3.06
3.04
3.02
3
-100
-80
-60
-40
-20
0
20
40
60
80
100