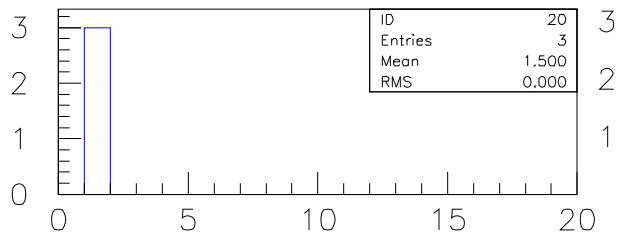
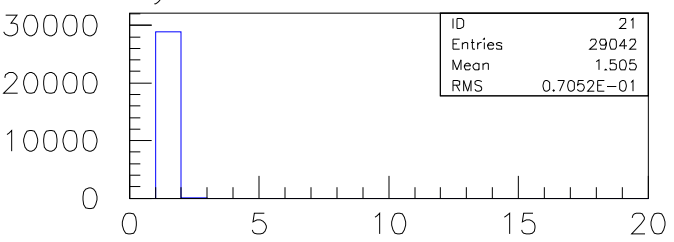
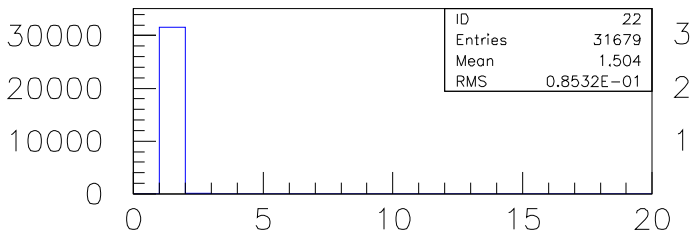
Moore track analysis



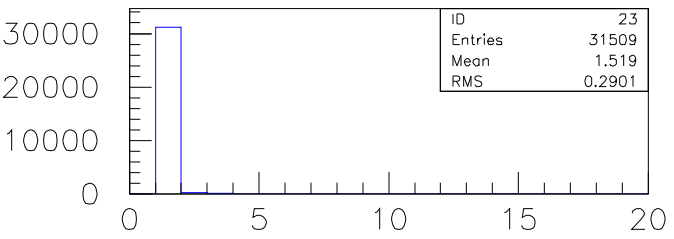
Nr of reco tracks per event at 1 GeV



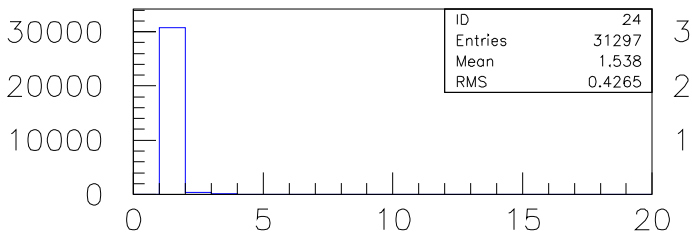
Nr of reco tracks per event at 6 GeV



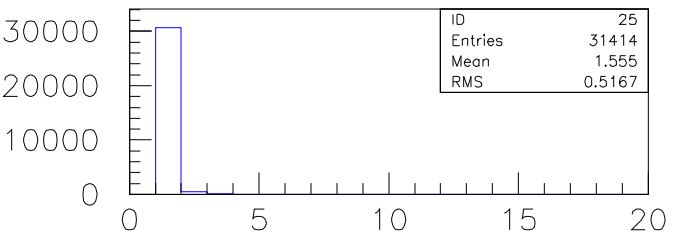
Nr of reco tracks per event at 20 GeV



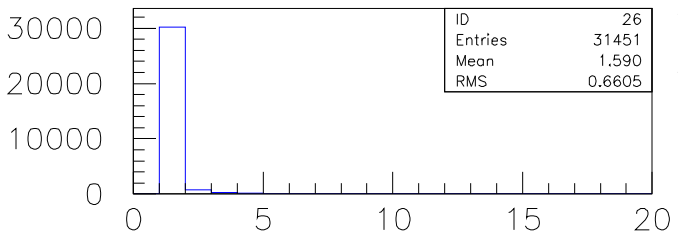
Nr of reco tracks per event at 100 GeV



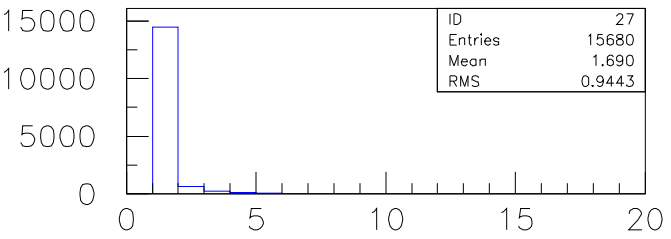
Nr of reco tracks per event at 200 GeV



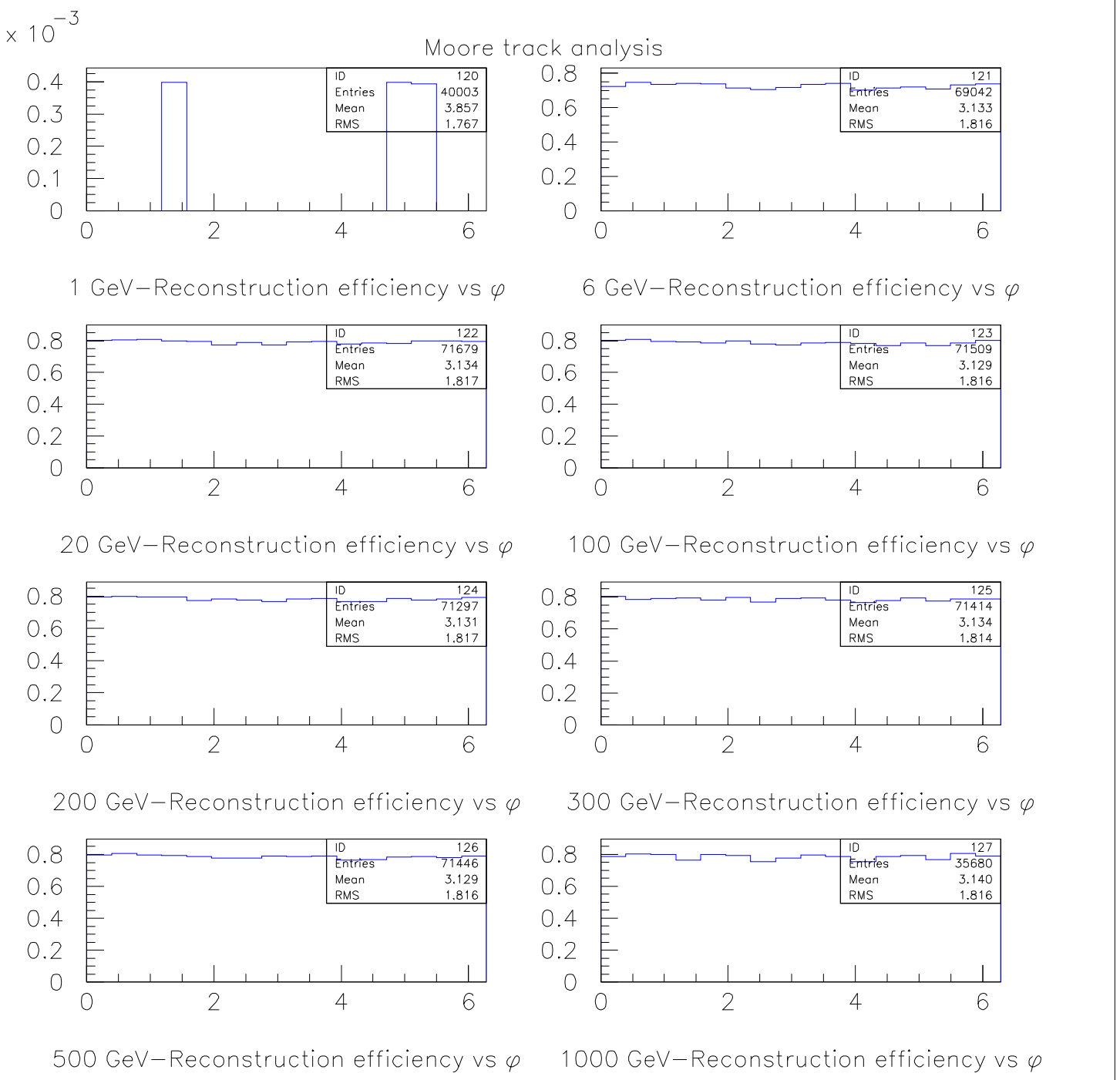
Nr of reco tracks per event at 300 GeV

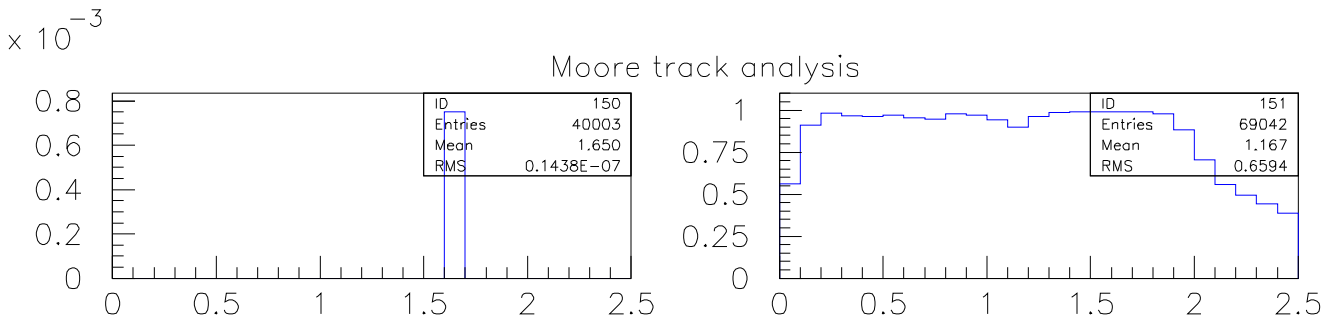


Nr of reco tracks per event at 500 GeV



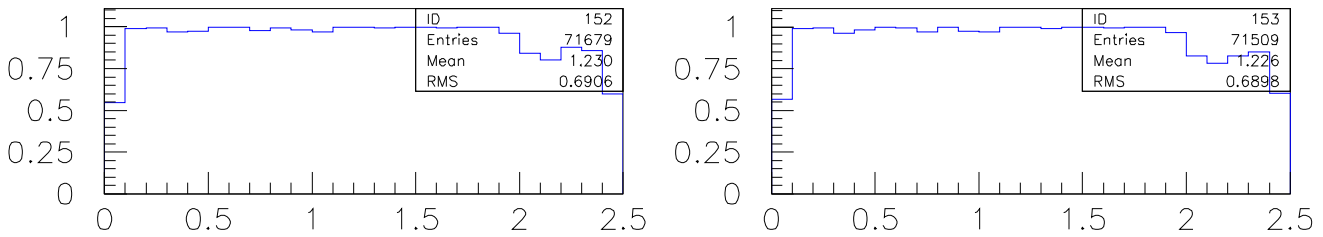
Nr of reco tracks per event at 1000 GeV


x 10^-3
Moore track analysis
ID 120
Entries 40003
Mean 3.857
RMS 1.767
1 GeV−Reconstruction efficiency vs φ
ID 121
Entries 69042
Mean 3.133
RMS 1.816
6 GeV−Reconstruction efficiency vs φ
ID 122
Entries 71679
Mean 3.134
RMS 1.817
20 GeV−Reconstruction efficiency vs φ
ID 123
Entries 71509
Mean 3.129
RMS 1.816
100 GeV−Reconstruction efficiency vs φ
ID 124
Entries 71297
Mean 3.131
RMS 1.817
200 GeV−Reconstruction efficiency vs φ
ID 125
Entries 71414
Mean 3.134
RMS 1.814
300 GeV−Reconstruction efficiency vs φ
ID 126
Entries 71446
Mean 3.129
RMS 1.816
500 GeV−Reconstruction efficiency vs φ
ID 127
Entries 35680
Mean 3.140
RMS 1.816
1000 GeV−Reconstruction efficiency vs φ



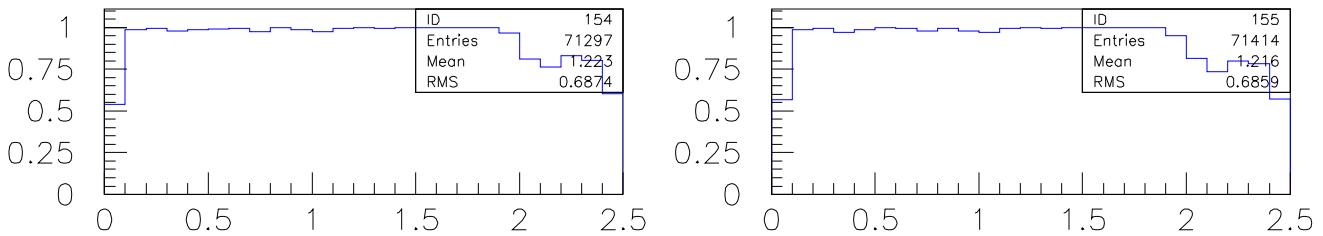
1 GeV−Reconstruction efficiency vs eta

6 GeV−Reconstruction efficiency vs eta



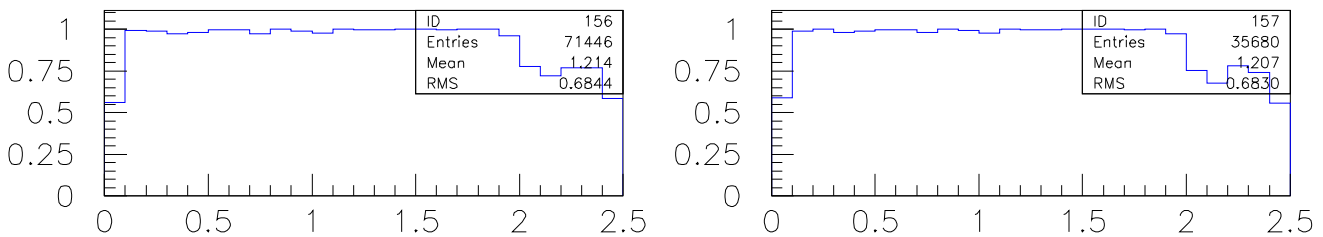
20 GeV−Reconstruction efficiency vs eta

100 GeV−Reconstruction efficiency vs eta



200 GeV−Reconstruction efficiency vs eta

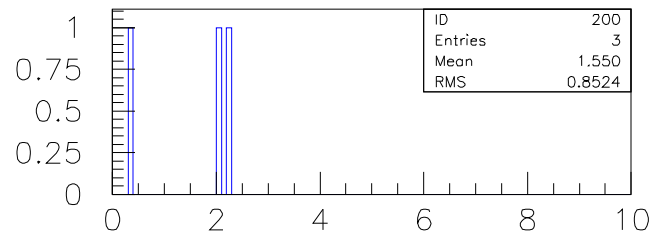
300 GeV−Reconstruction efficiency vs eta



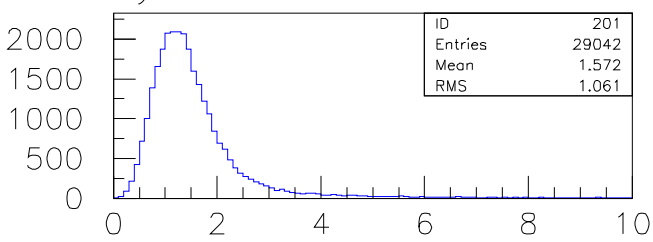
500 GeV−Reconstruction efficiency vs eta

1000 GeV−Reconstruction efficiency vs eta

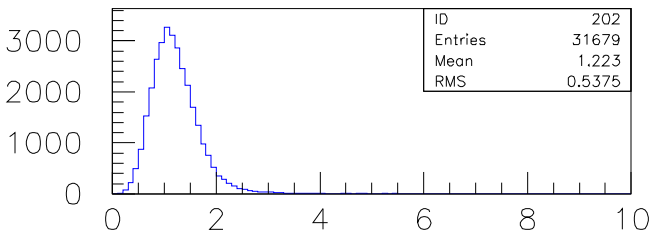
Moore track analysis



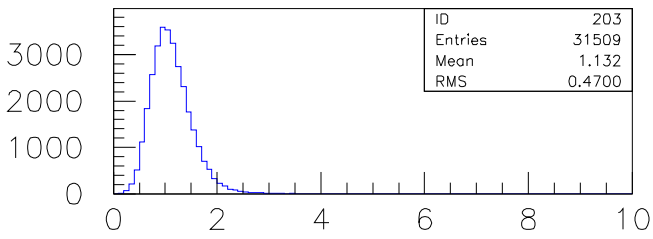
1 GeV − χ^2



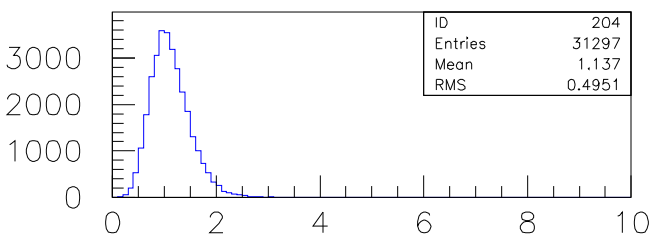
6 GeV − χ^2



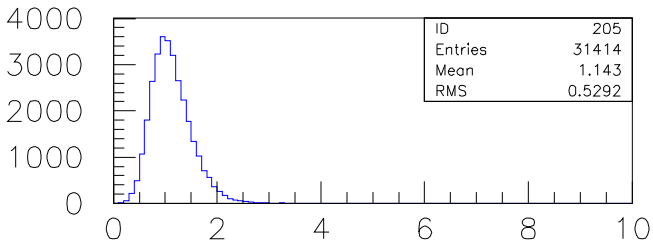
20 GeV − χ^2



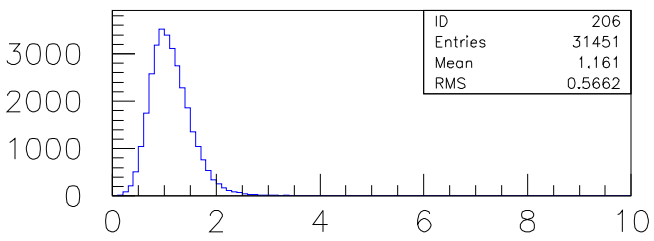
100 GeV − χ^2



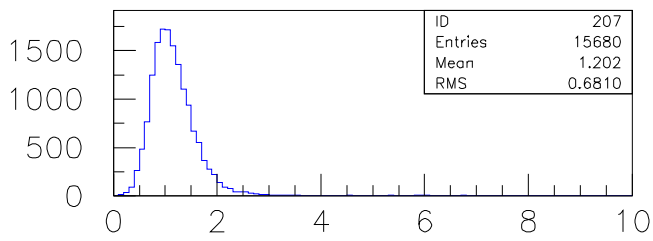
200 GeV − χ^2



300 GeV − χ^2

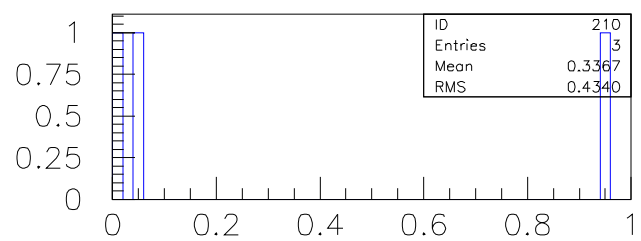


500 GeV − χ^2

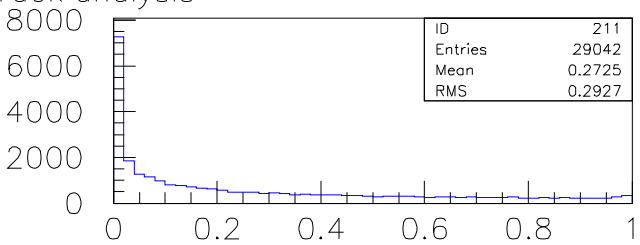


1000 GeV − χ^2

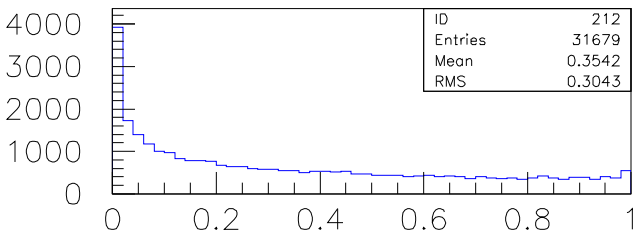
Moore track analysis



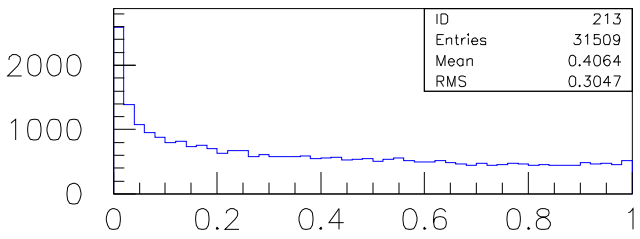
1 GeV – χ^2 probability



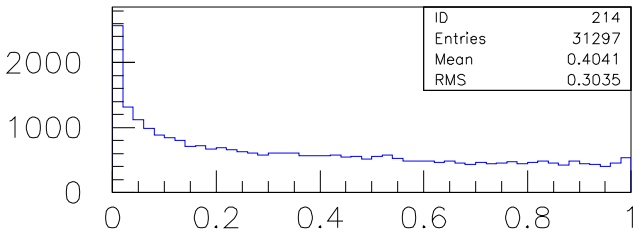
6 GeV – χ^2 probability



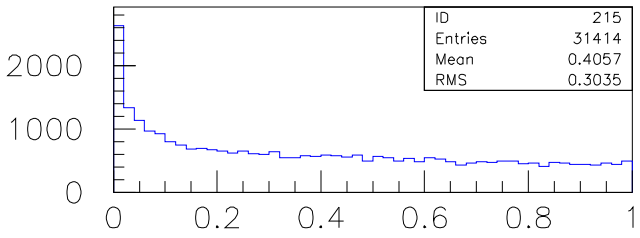
20 GeV – χ^2 probability



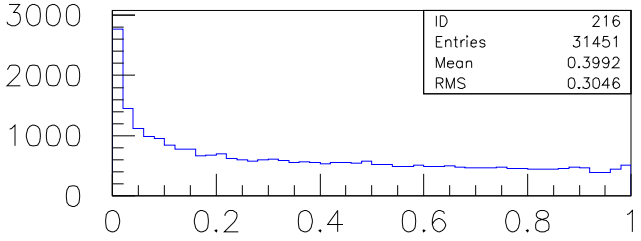
100 GeV – χ^2 probability



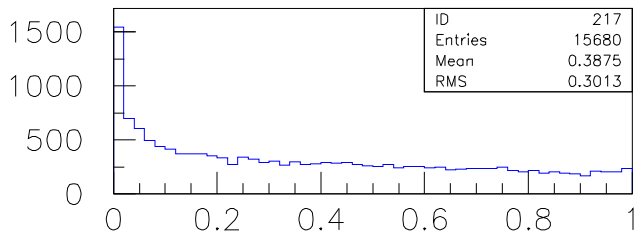
200 GeV – χ^2 probability



300 GeV – χ^2 probability

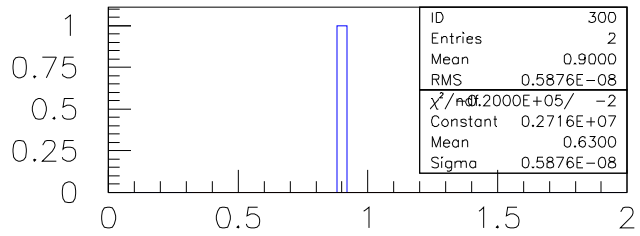


500 GeV – χ^2 probability

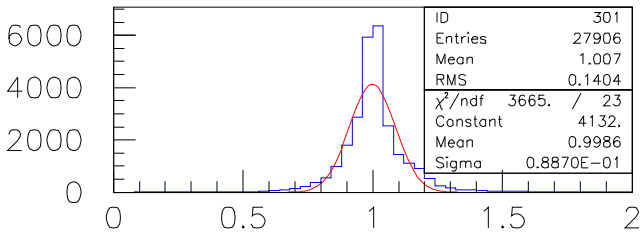


1000 GeV – χ^2 probability

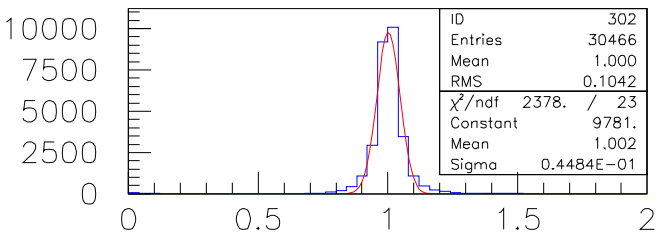
Moore track analysis



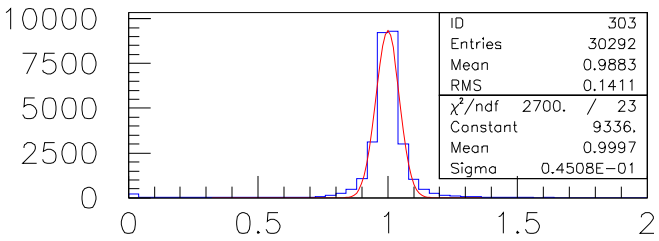
1 Gev – $1/P_T$(truth/reco)



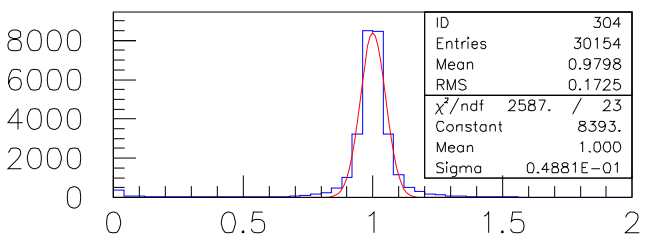
6 GeV – $1/P_T$(truth/reco)



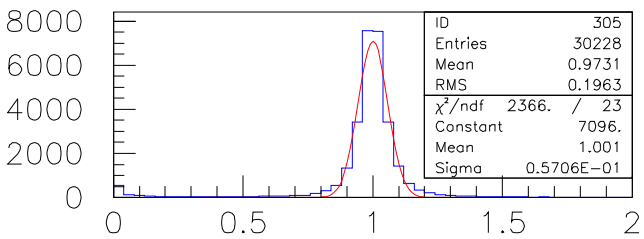
20 Gev – $1/P_T$(truth/reco)



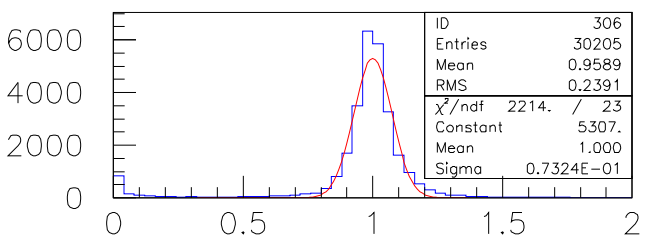
100 GeV – $1/P_T$(truth/reco)



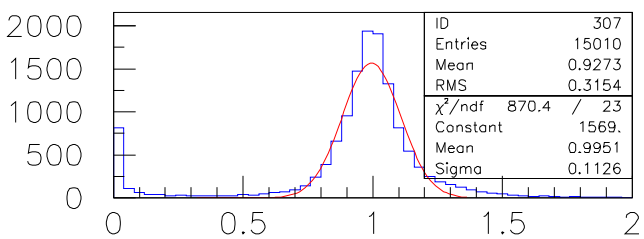
200 Gev – $1/P_T$(truth/reco)



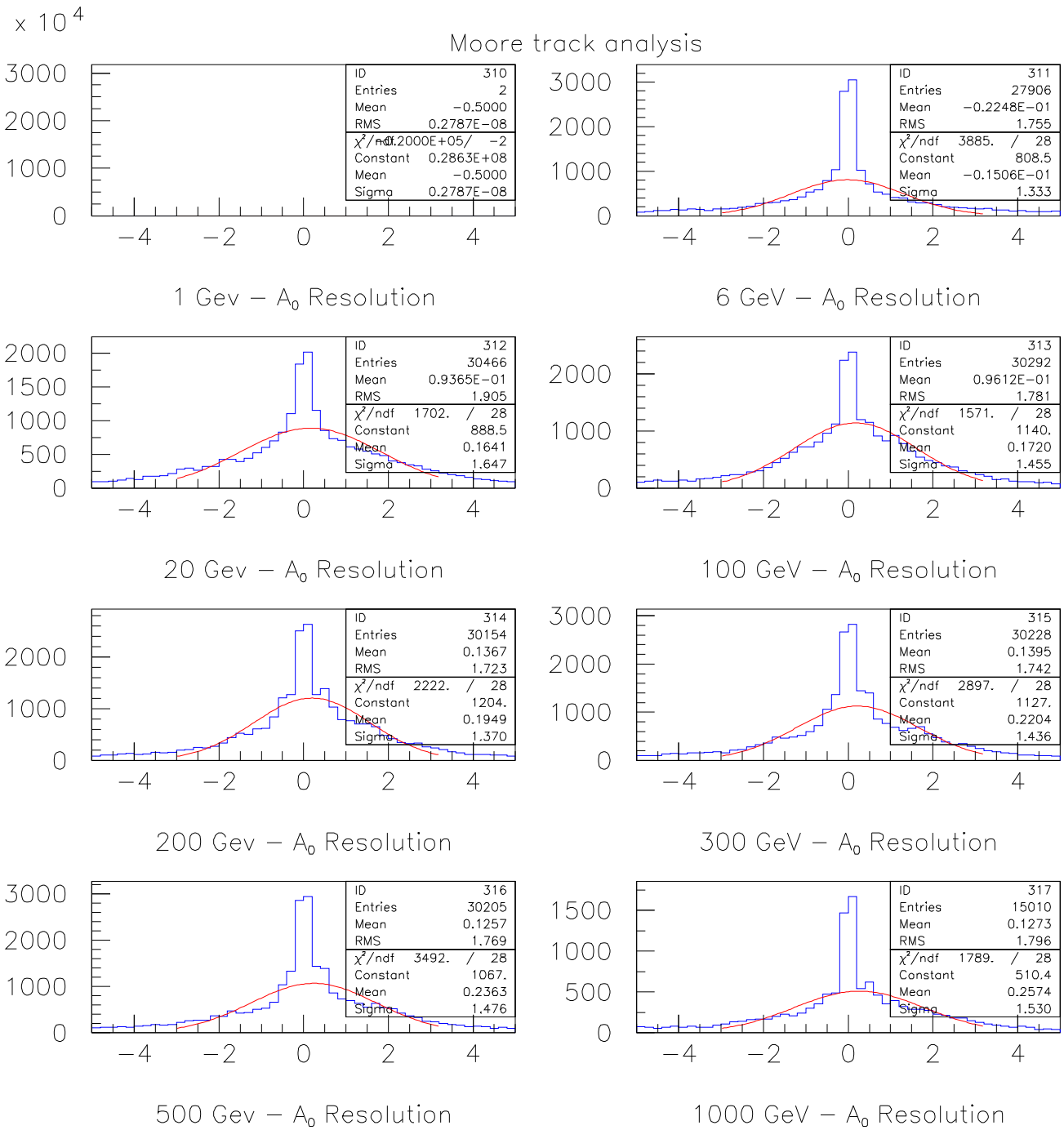
300 GeV – $1/P_T$(truth/reco)



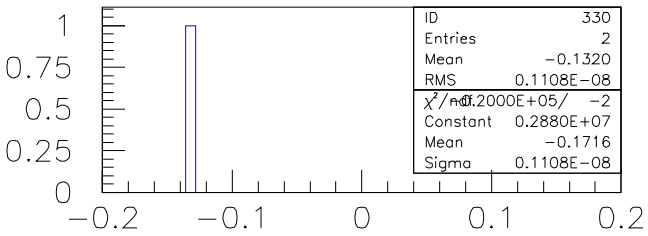
500 Gev – $1/P_T$(truth/reco)



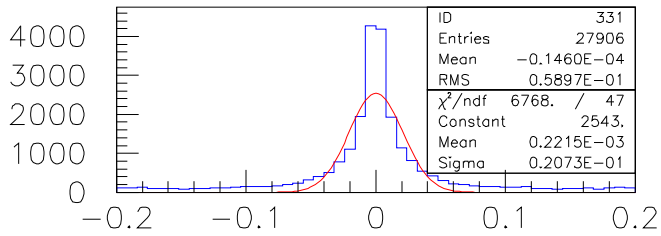
1000 GeV – $1/P_T$(truth/reco)


x 10 4
Moore track analysis
ID 310
Entries 2
Mean −0.5000
RMS 0.2787E−08
χ²/ndf 0.2000E+05 / −2
Constant 0.2863E+08
Mean −0.5000
Sigma 0.2787E−08
1 Gev − A0 Resolution
ID 311
Entries 27906
Mean −0.2248E−01
RMS 1.755
χ²/ndf 3885. / 28
Constant 808.5
Mean −0.1506E−01
Sigma 1.333
6 GeV − A0 Resolution
ID 312
Entries 30466
Mean 0.9365E−01
RMS 1.905
χ²/ndf 1702. / 28
Constant 888.5
Mean 0.1641
Sigma 1.647
20 Gev − A0 Resolution
ID 313
Entries 30292
Mean 0.9612E−01
RMS 1.781
χ²/ndf 1571. / 28
Constant 1140.
Mean 0.1720
Sigma 1.455
100 GeV − A0 Resolution
ID 314
Entries 30154
Mean 0.1367
RMS 1.723
χ²/ndf 2222. / 28
Constant 1204.
Mean 0.1949
Sigma 1.370
200 Gev − A0 Resolution
ID 315
Entries 30228
Mean 0.1395
RMS 1.742
χ²/ndf 2897. / 28
Constant 1127.
Mean 0.2204
Sigma 1.436
300 GeV − A0 Resolution
ID 316
Entries 30205
Mean 0.1257
RMS 1.769
χ²/ndf 3492. / 28
Constant 1067.
Mean 0.2363
Sigma 1.476
500 Gev − A0 Resolution
ID 317
Entries 15010
Mean 0.1273
RMS 1.796
χ²/ndf 1789. / 28
Constant 510.4
Mean 0.2574
Sigma 1.530
1000 GeV − A0 Resolution

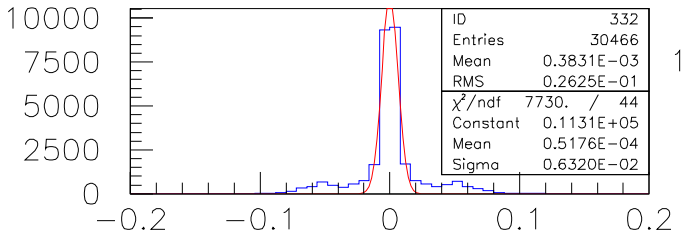
Moore track analysis



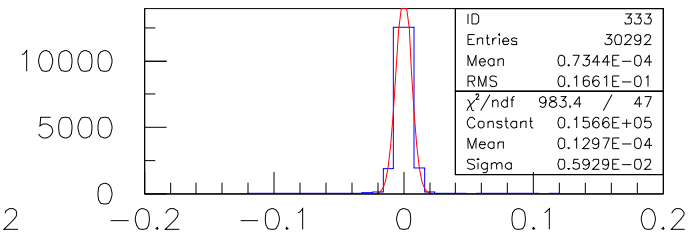
1 GeV – cottheta Resolution



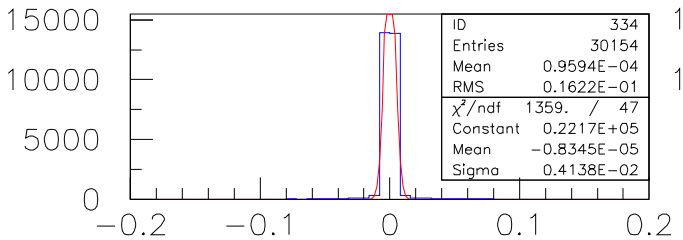
6 GeV – cottheta Resolution



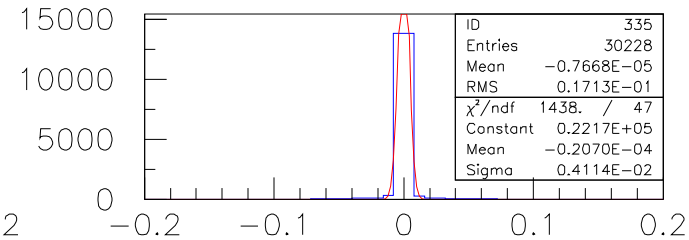
20 GeV – cottheta Resolution



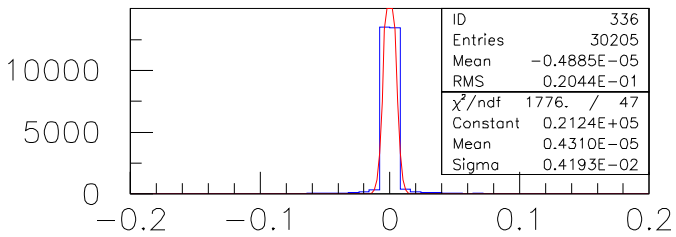
100 GeV – cottheta Resolution



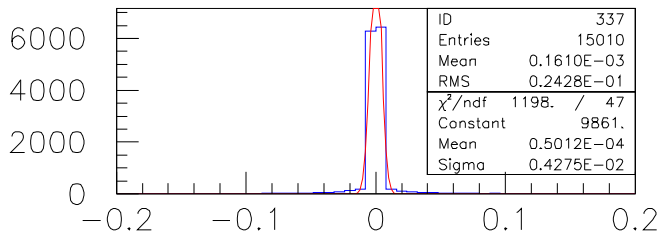
200 GeV – cottheta Resolution



300 GeV – cottheta Resolution

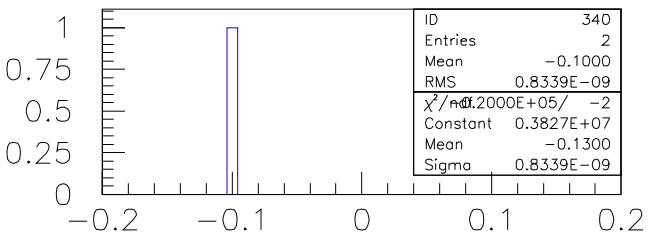


500 GeV – cottheta Resolution

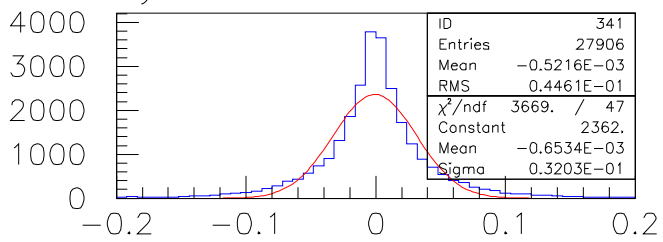


1000 GeV – cottheta Resolution

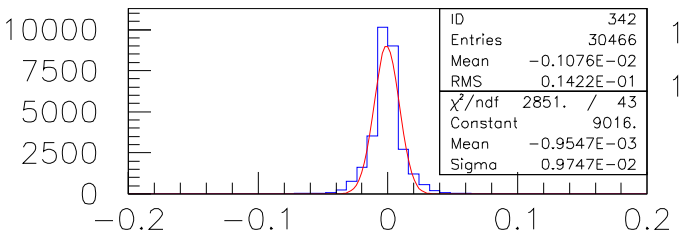
Moore track analysis



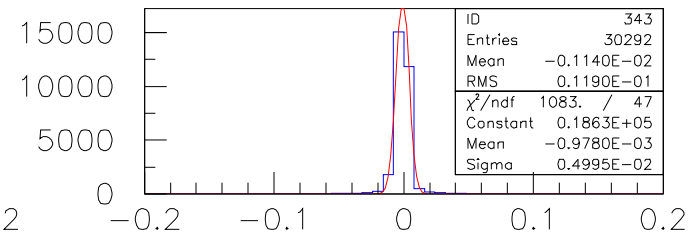
1 Gev – phi Resolution



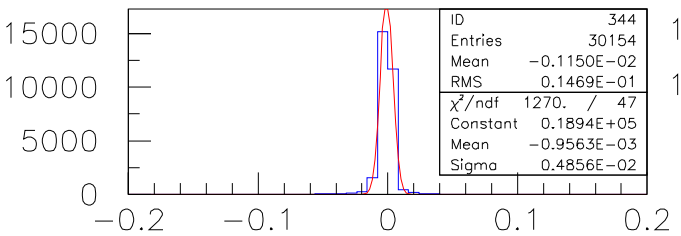
6 GeV – phi Resolution



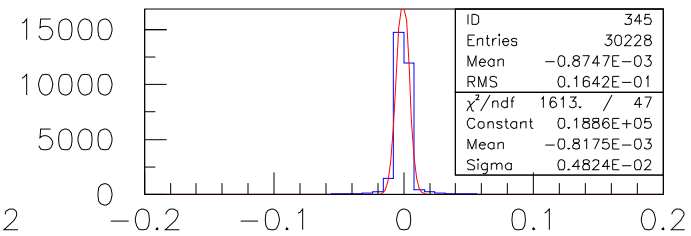
20 GeV – phi Resolution



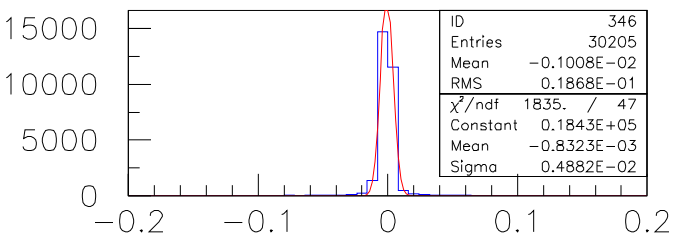
100 GeV – phi Resolution



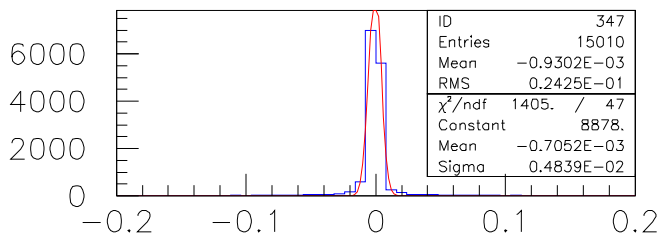
200 GeV – phi Resolution



300 GeV – phi Resolution

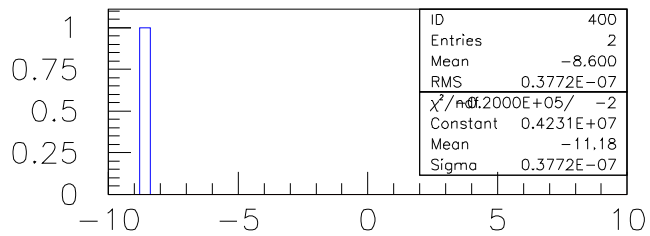


500 GeV – phi Resolution

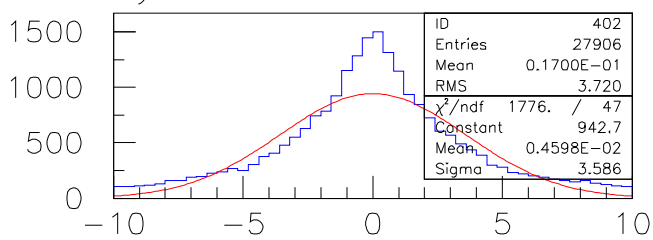


1000 GeV – phi Resolution

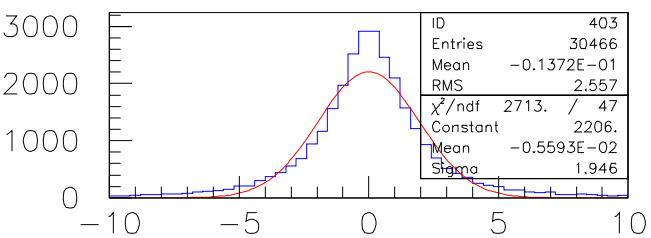
Moore track analysis



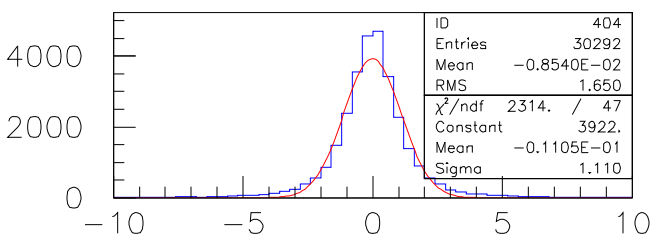
1 GeV − $1/P_T$ Pull



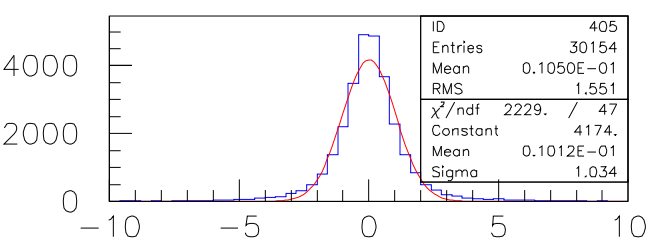
6 GeV − $1/P_T$ Pull



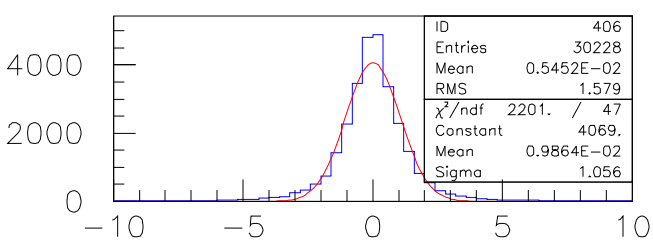
20 GeV − $1/P_T$ Pull



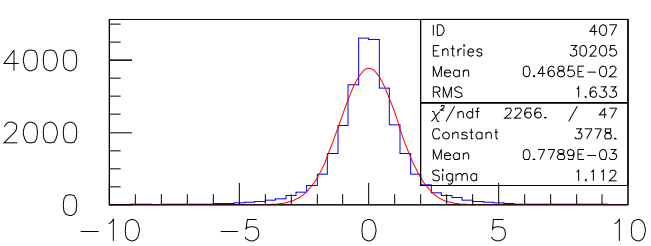
100 GeV − $1/P_T$ Pull



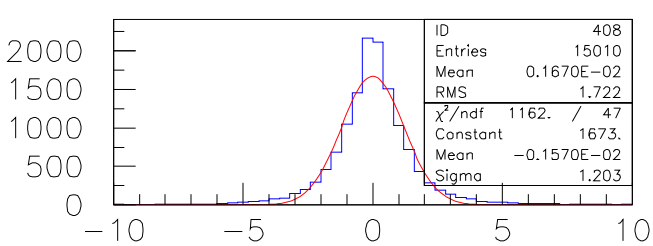
200 GeV − $1/P_T$ Pull



300 GeV − $1/P_T$ Pull

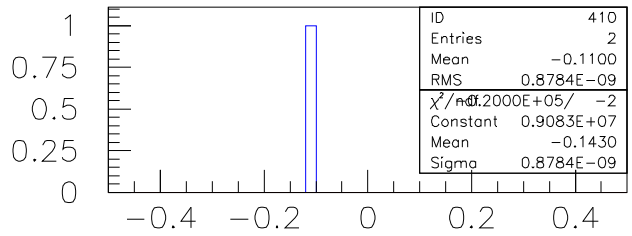


500 GeV − $1/P_T$ Pull

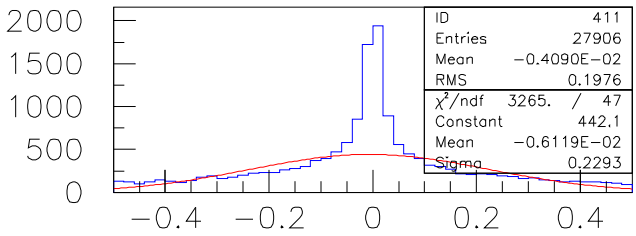


1000 GeV − $1/P_T$ Pull

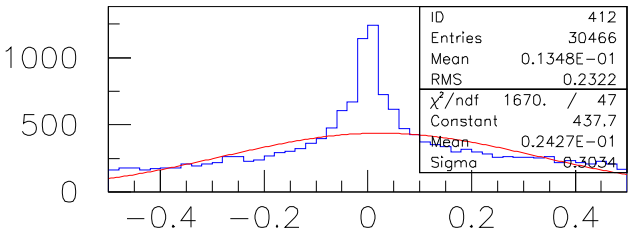
Moore track analysis



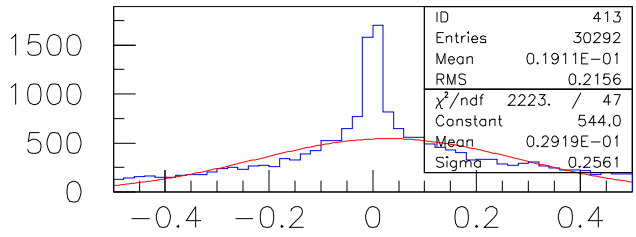
1 GeV − A_0 Pull



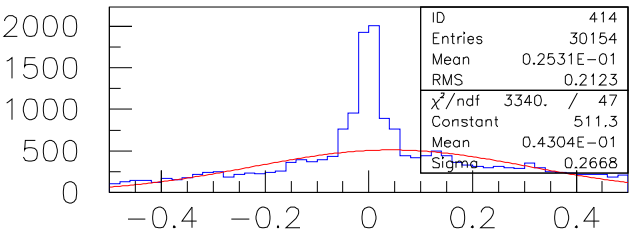
6 GeV − A_0 Pull



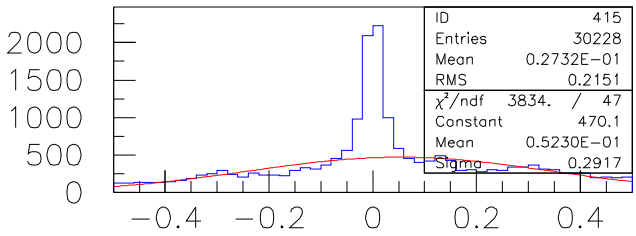
20 GeV − A_0 Pull



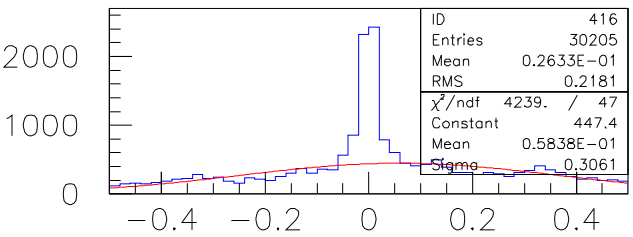
100 GeV − A_0 Pull



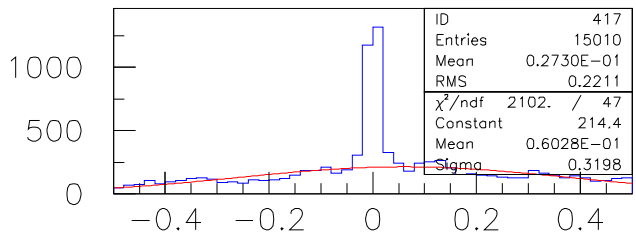
200 GeV − A_0 Pull



300 GeV − A_0 Pull

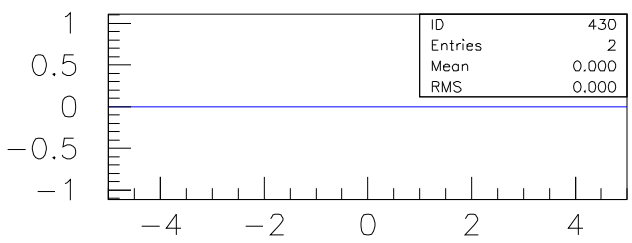


500 GeV − A_0 Pull

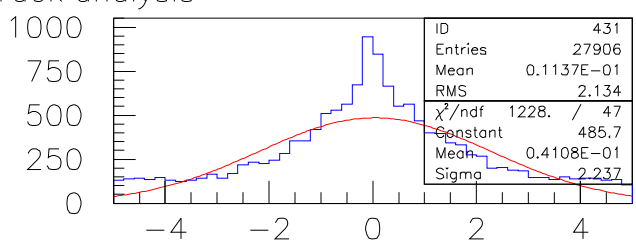


1000 GeV − A_0 Pull

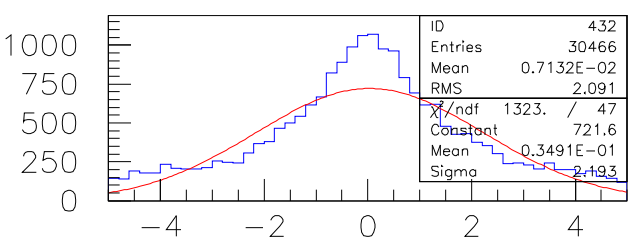
Moore track analysis



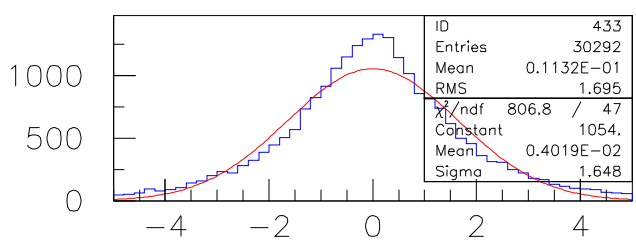
1 GeV – cottheta Pull



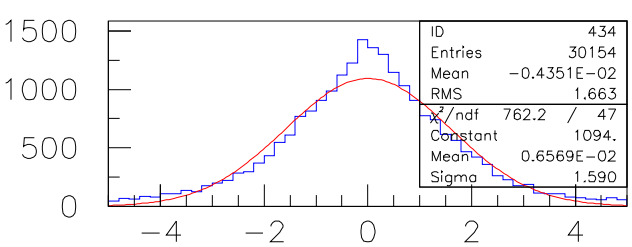
6 GeV – cottheta Pull



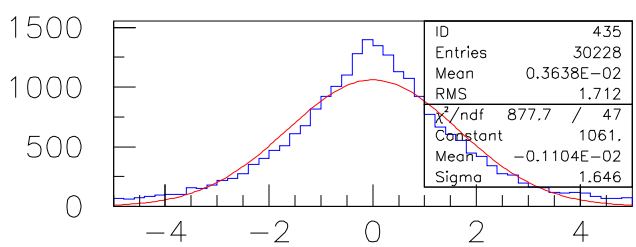
20 GeV – cottheta Pull



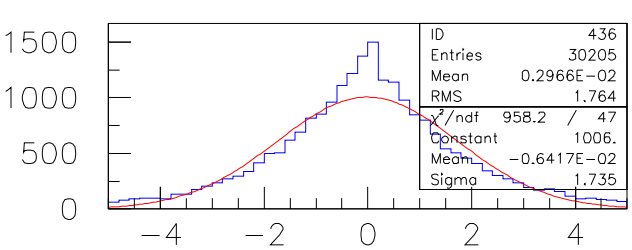
100 GeV – cottheta Pull



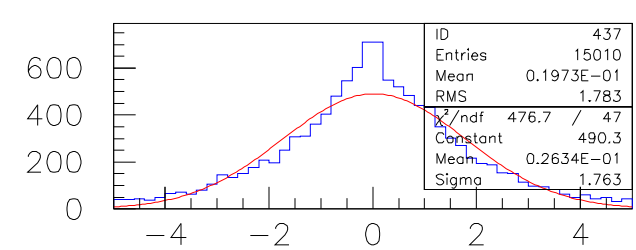
200 GeV – cottheta Pull



300 GeV – cottheta Pull

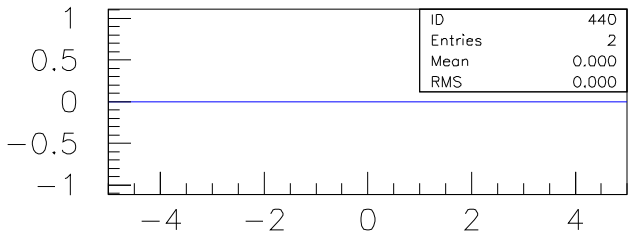


500 GeV – cottheta Pull

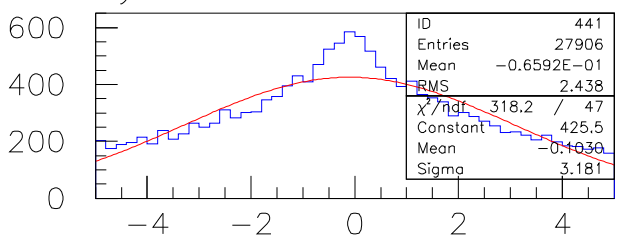


1000 GeV – cottheta Pull

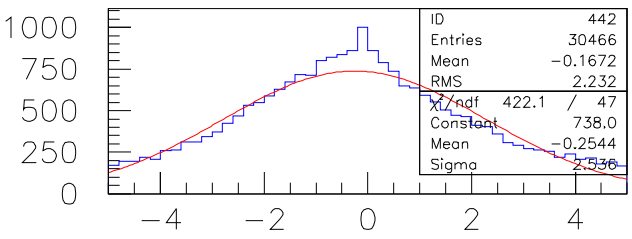
Moore track analysis



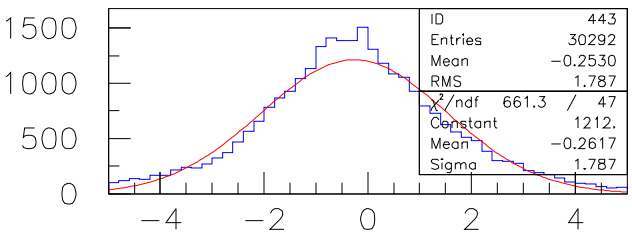
1 GeV – phi Pull



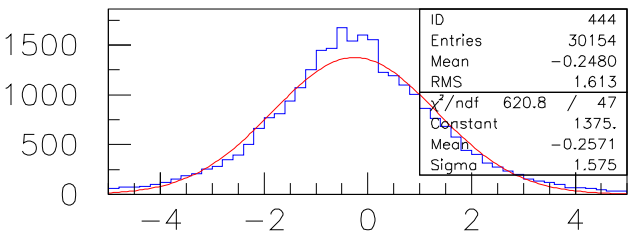
6 GeV – phi Pull



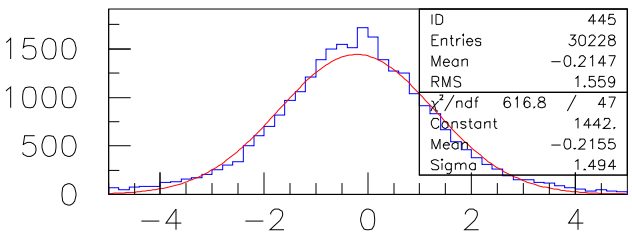
20 GeV – phi Pull



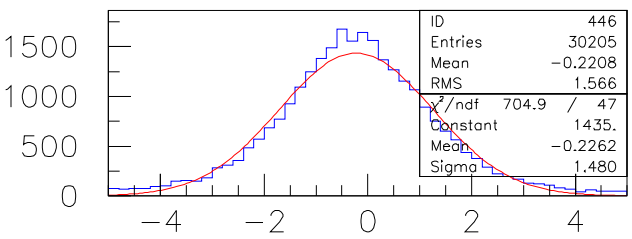
100 GeV – phi Pull



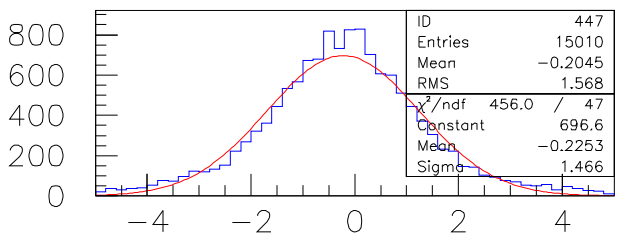
200 GeV – phi Pull



300 GeV – phi Pull

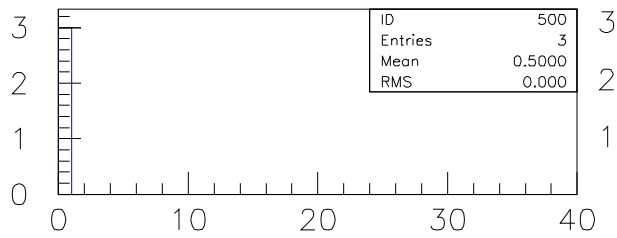


500 GeV – phi Pull

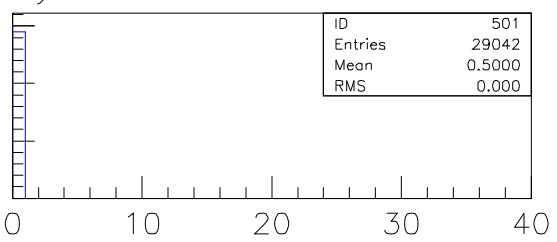


1000 GeV – phi Pull

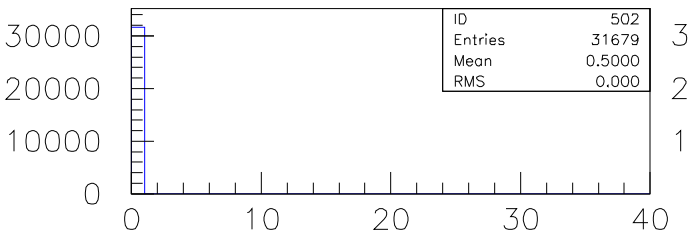
Moore track analysis



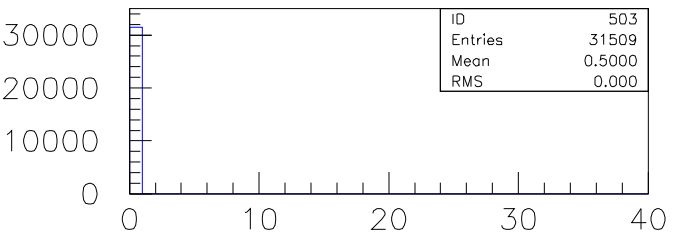
1 GeV – Nr of associated trigger hits



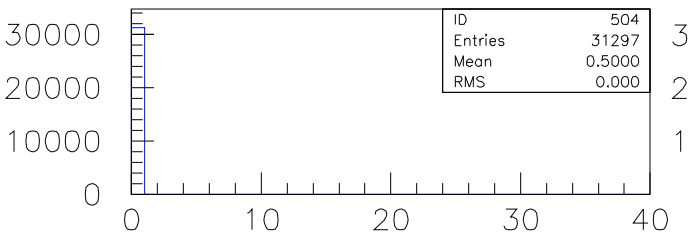
6 GeV – Nr of associated trigger hits



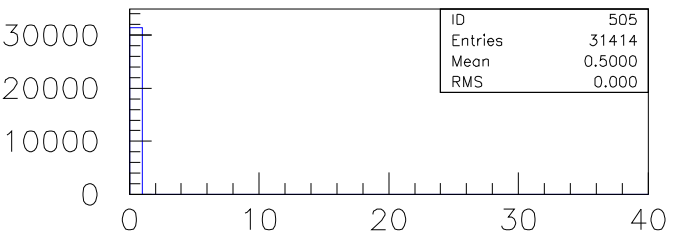
20 GeV – Nr of associated trigger hits



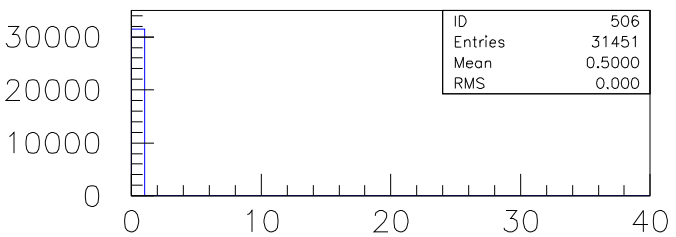
100 GeV – Nr of associated trigger hits



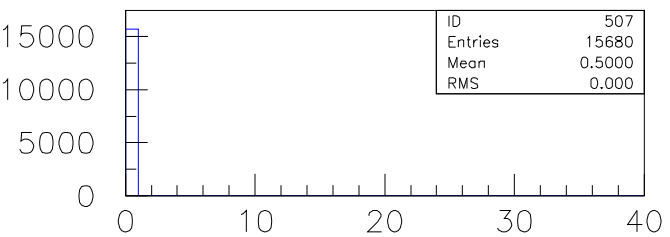
200 GeV – Nr of associated trigger hits



300 GeV – Nr of associated trigger hits

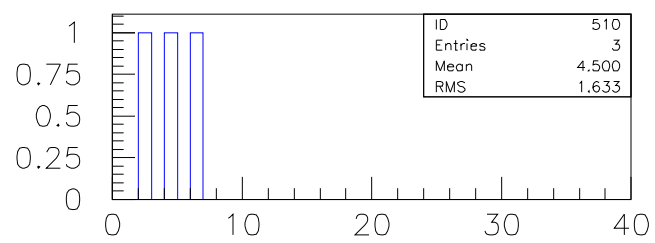


500 GeV – Nr of associated trigger hits

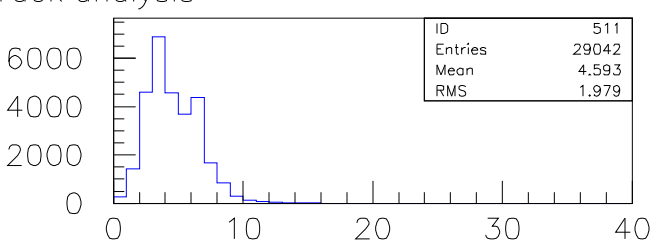


1000 GeV – Nr of associated trigger hits

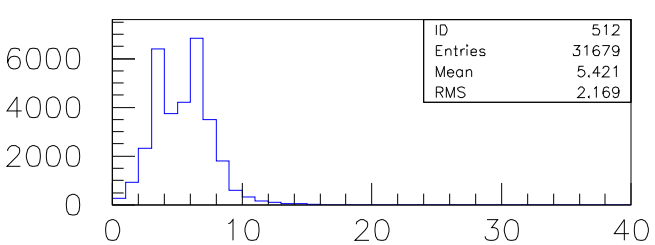
Moore track analysis



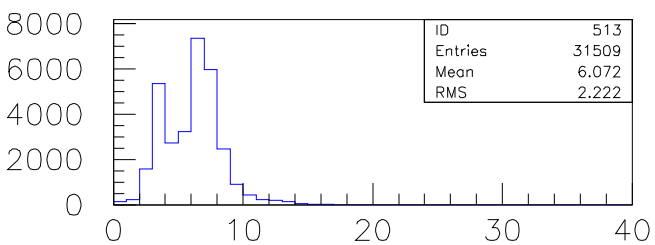
1 GeV – Nr of associated phi hits



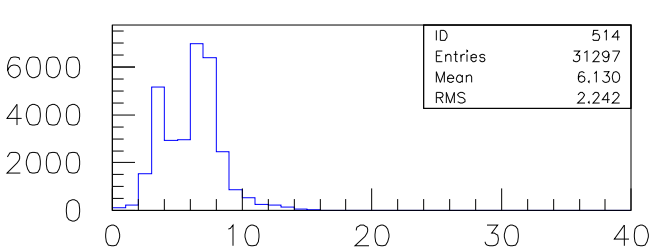
6 GeV – Nr of associated phi hits



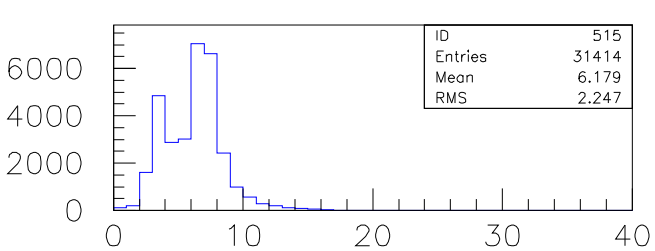
20 GeV – Nr of associated phi hits



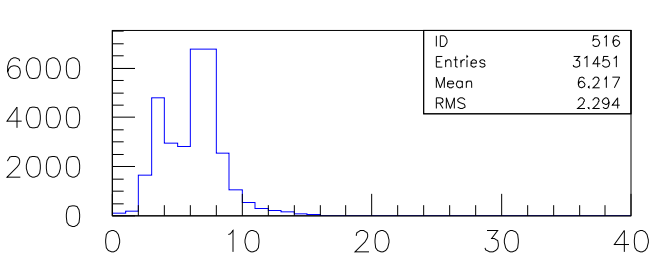
100 GeV – Nr of associated phi hits



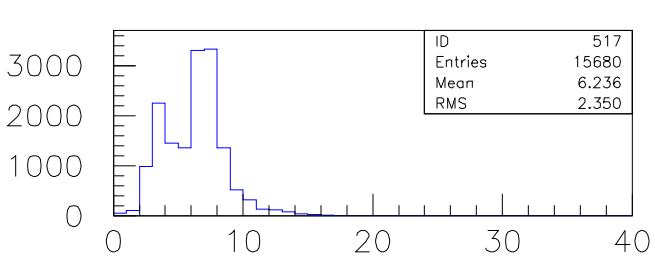
200 GeV – Nr of associated phi hits



300 GeV – Nr of associated phi hits

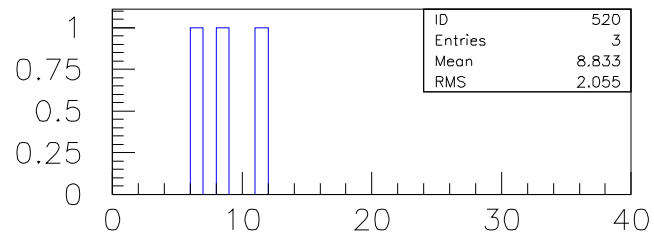


500 GeV – Nr of associated phi hits

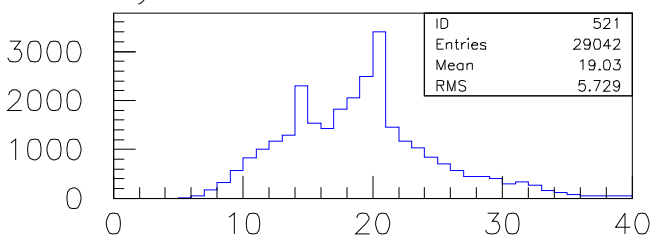


1000 GeV – Nr of associated phi hits

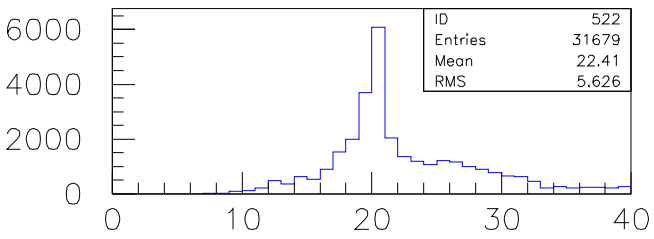
Moore track analysis



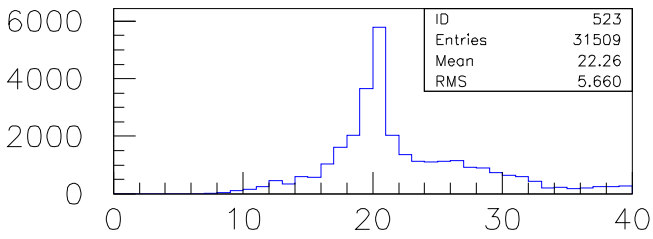
1 GeV – Nr of associated mdt hits



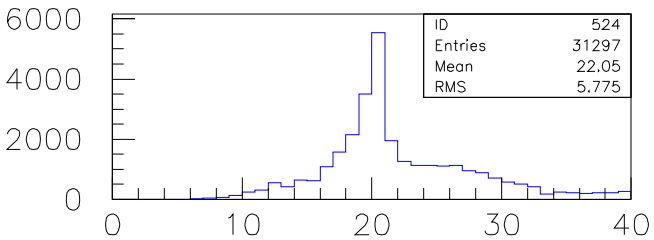
6 GeV – Nr of associated mdt hits



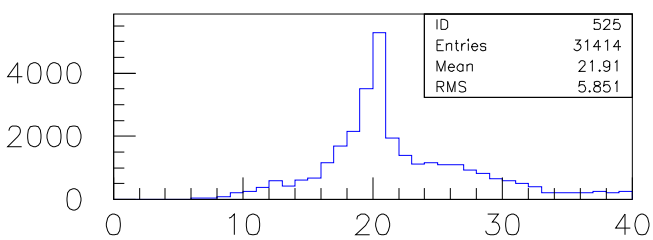
20 GeV – Nr of associated mdt hits



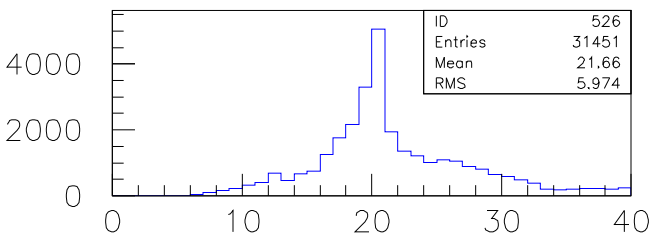
100 GeV – Nr of associated mdt hits



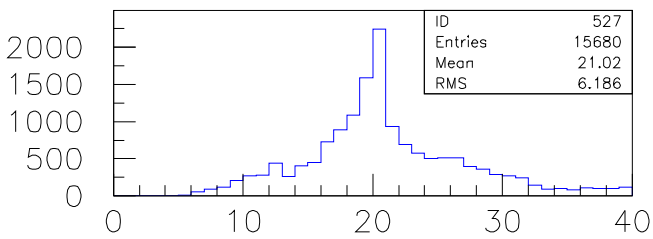
200 GeV – Nr of associated mdt hits



300 GeV – Nr of associated mdt hits



500 GeV – Nr of associated mdt hits



1000 GeV – Nr of associated mdt hits