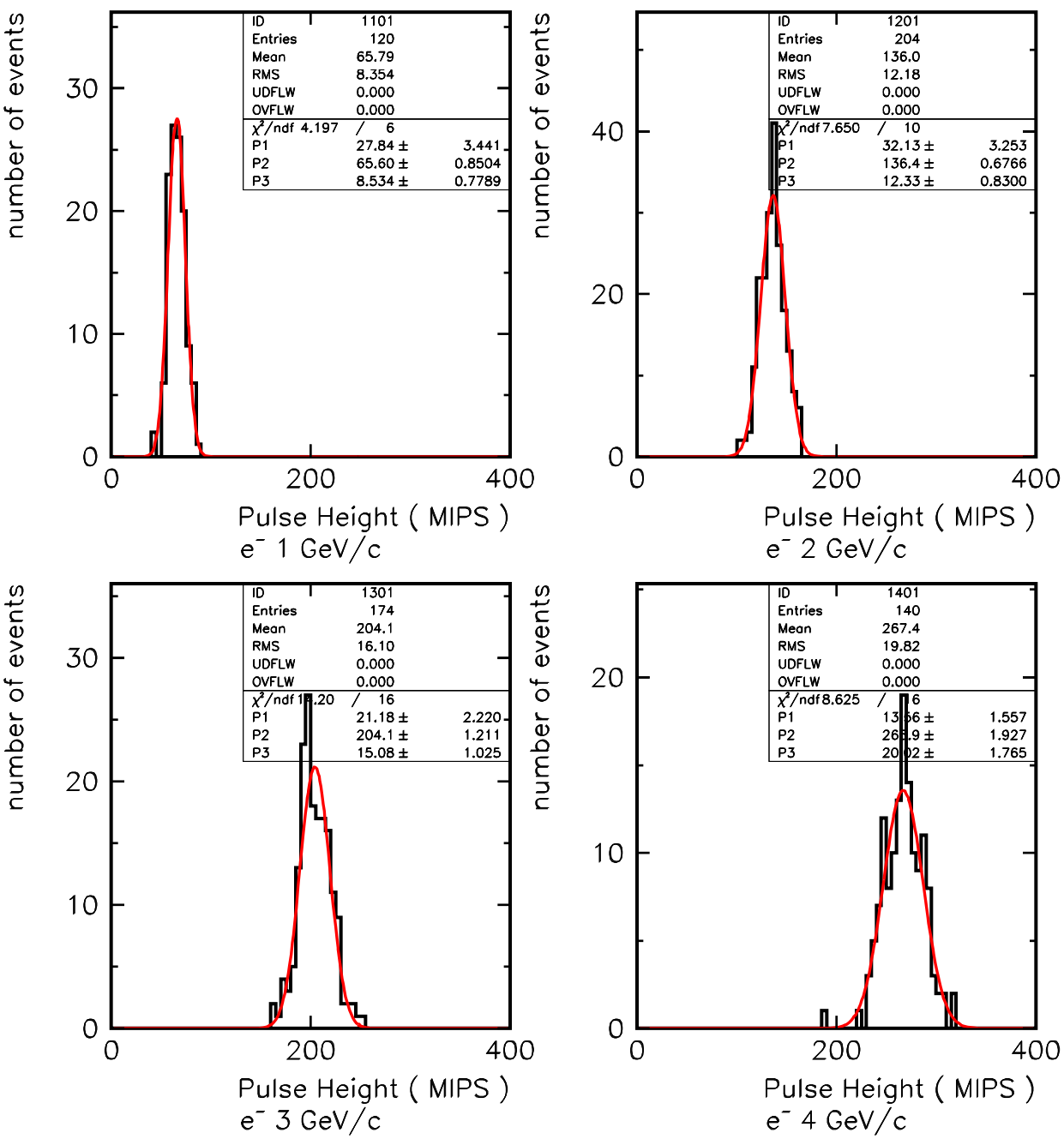
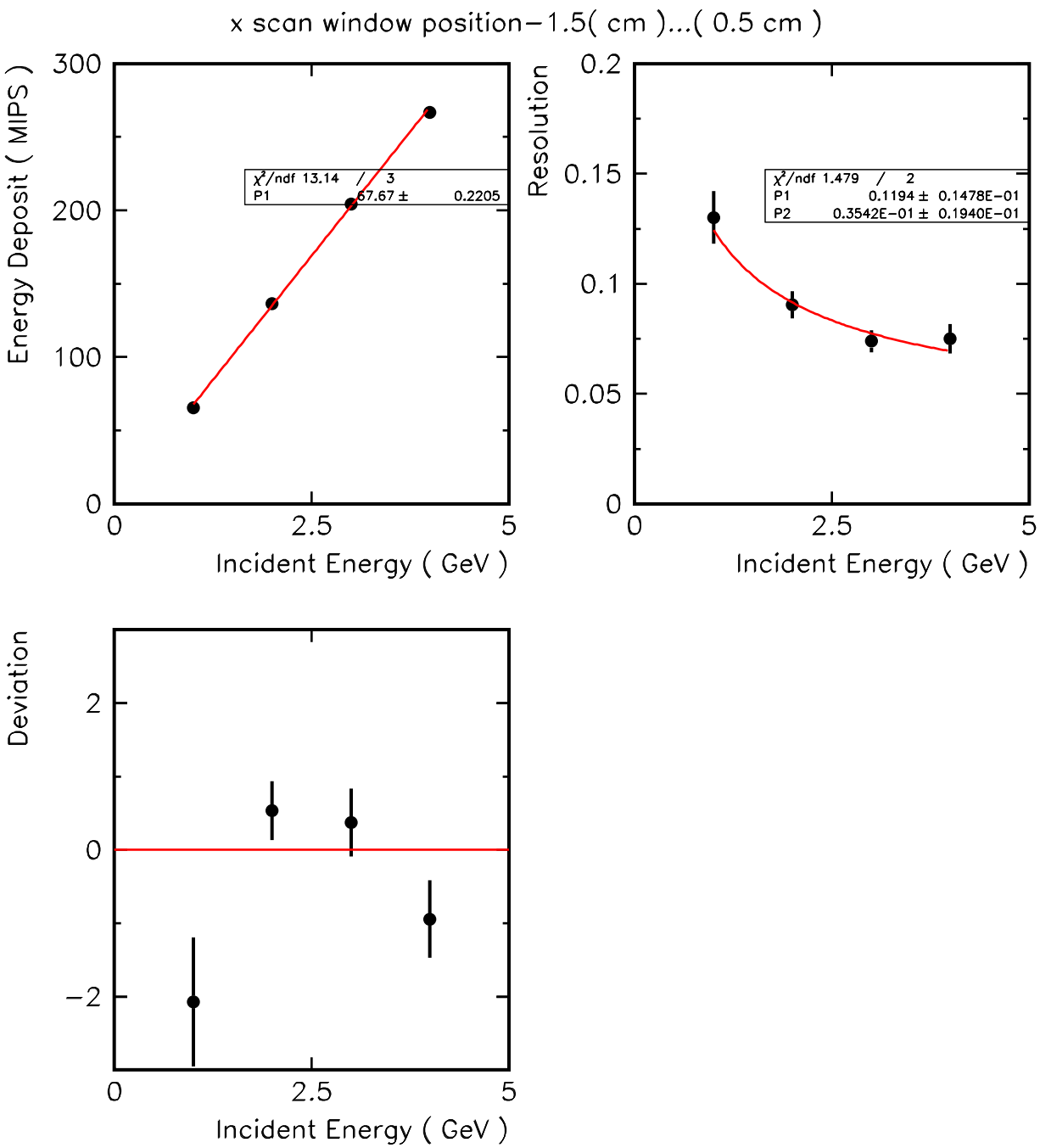
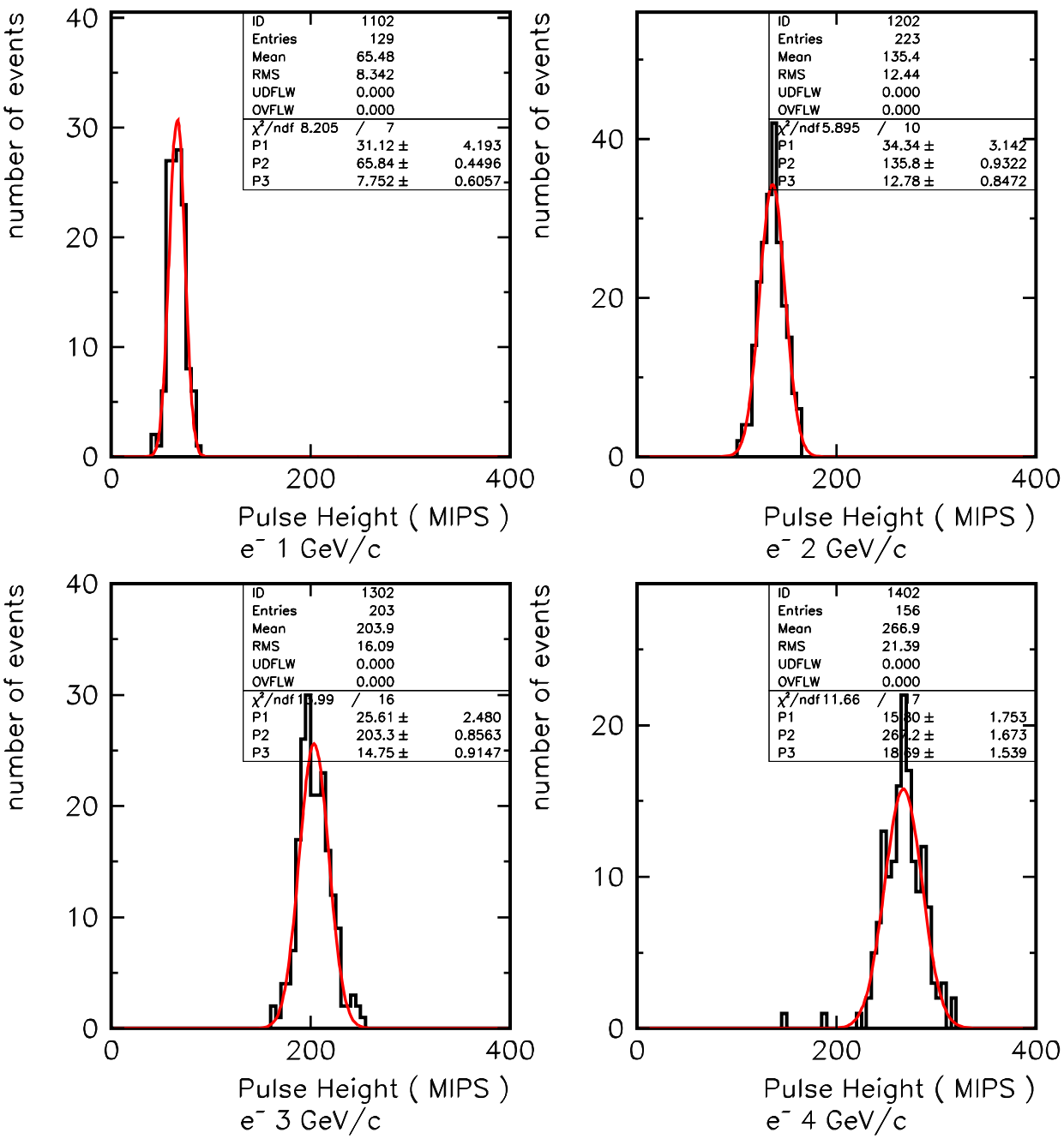
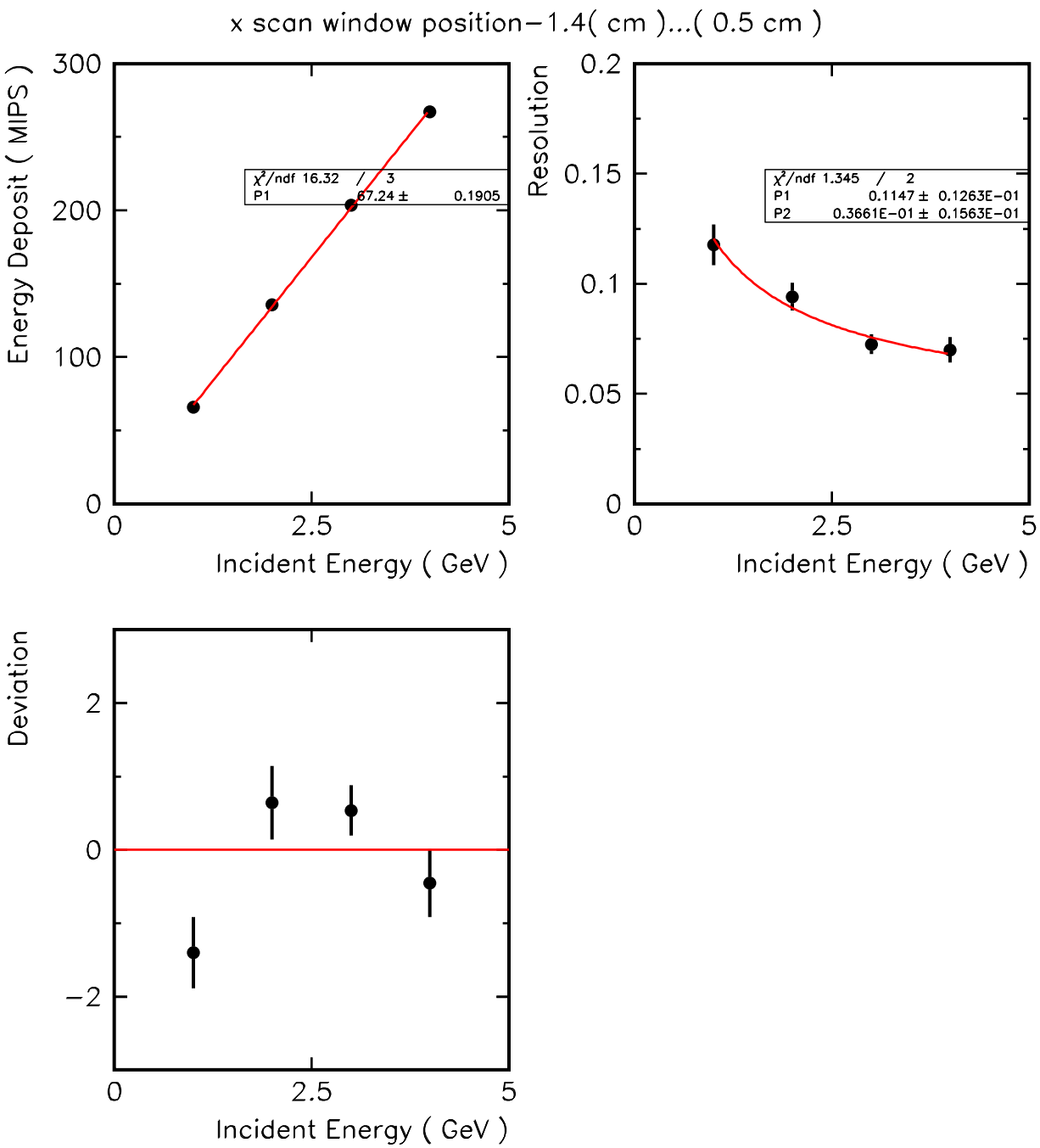
x scan window position−1.5(cm)...(0.5 cm)



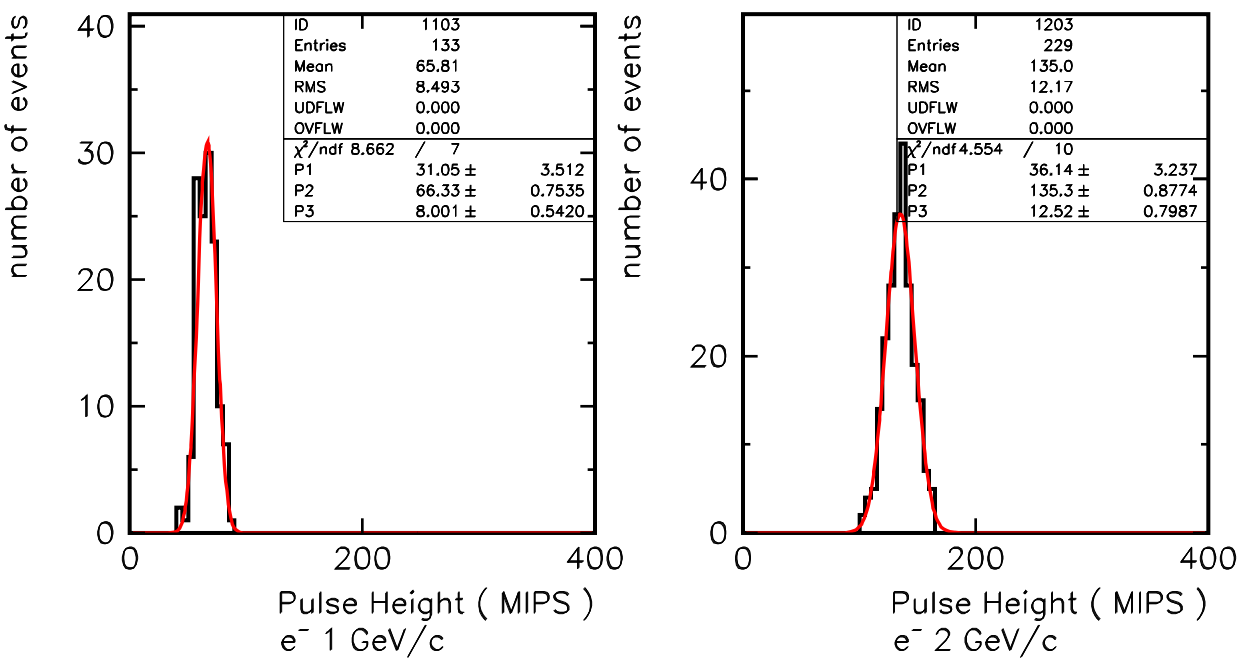

x scan window position−1.5(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 13.14 / 3
P1 67.67 ± 0.2205
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 1.479 / 2
P1 0.1194 ± 0.1478E−01
P2 0.3542E−01 ± 0.1940E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

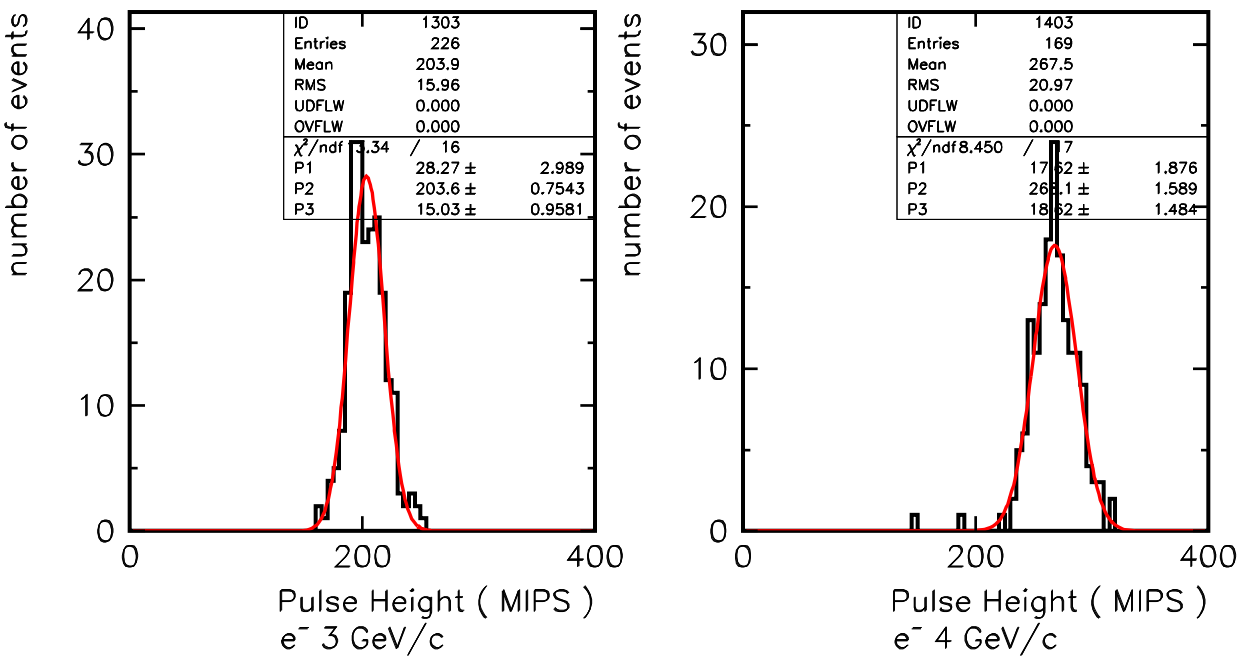
x scan window position−1.4(cm)...(0.5 cm)



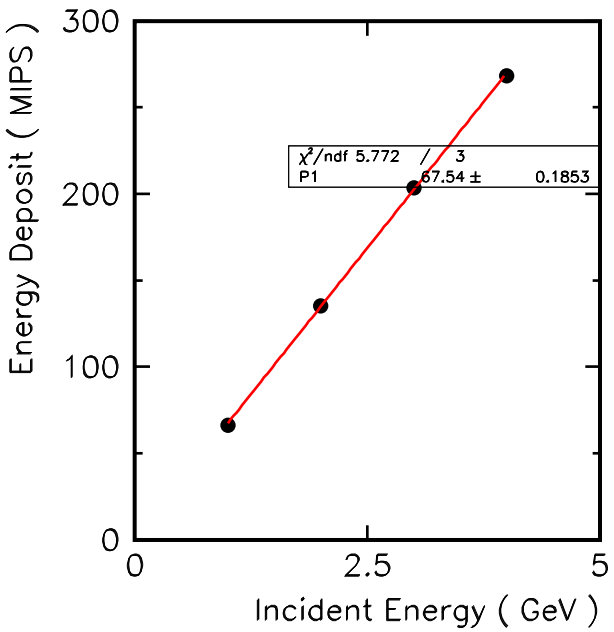

x scan window position−1.4(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 16.32 / 3
P1 67.24 ± 0.1905
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 1.345 / 2
P1 0.1147 ± 0.1263E−01
P2 0.3661E−01 ± 0.1563E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

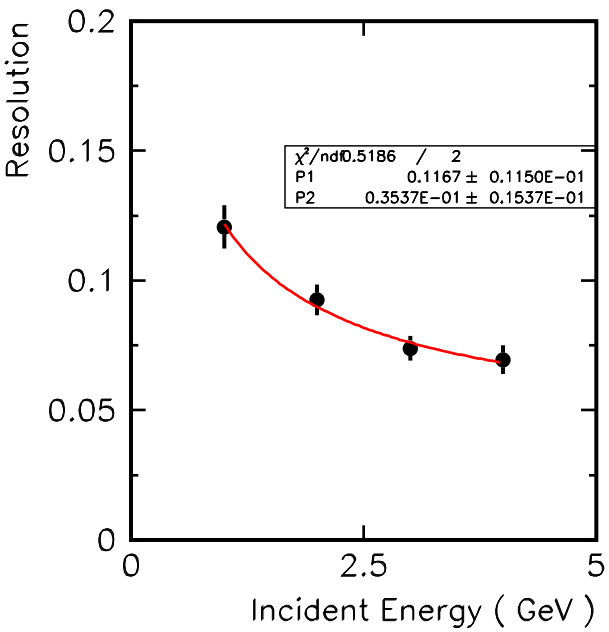
x scan window position−1.3(cm)...(0.5 cm)

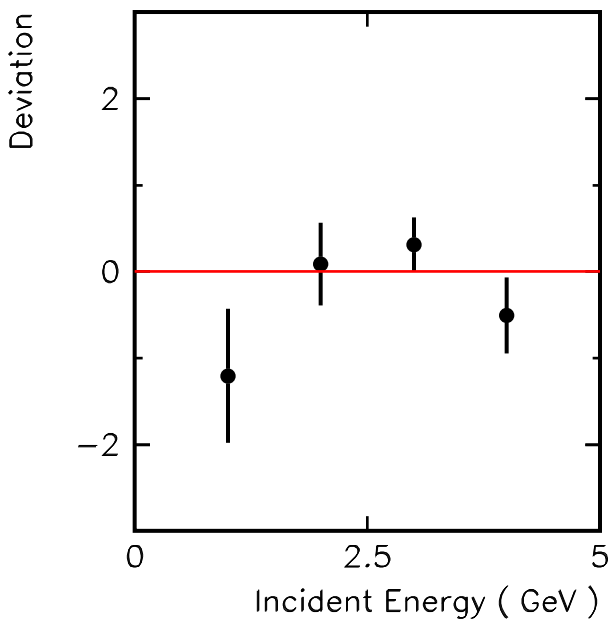




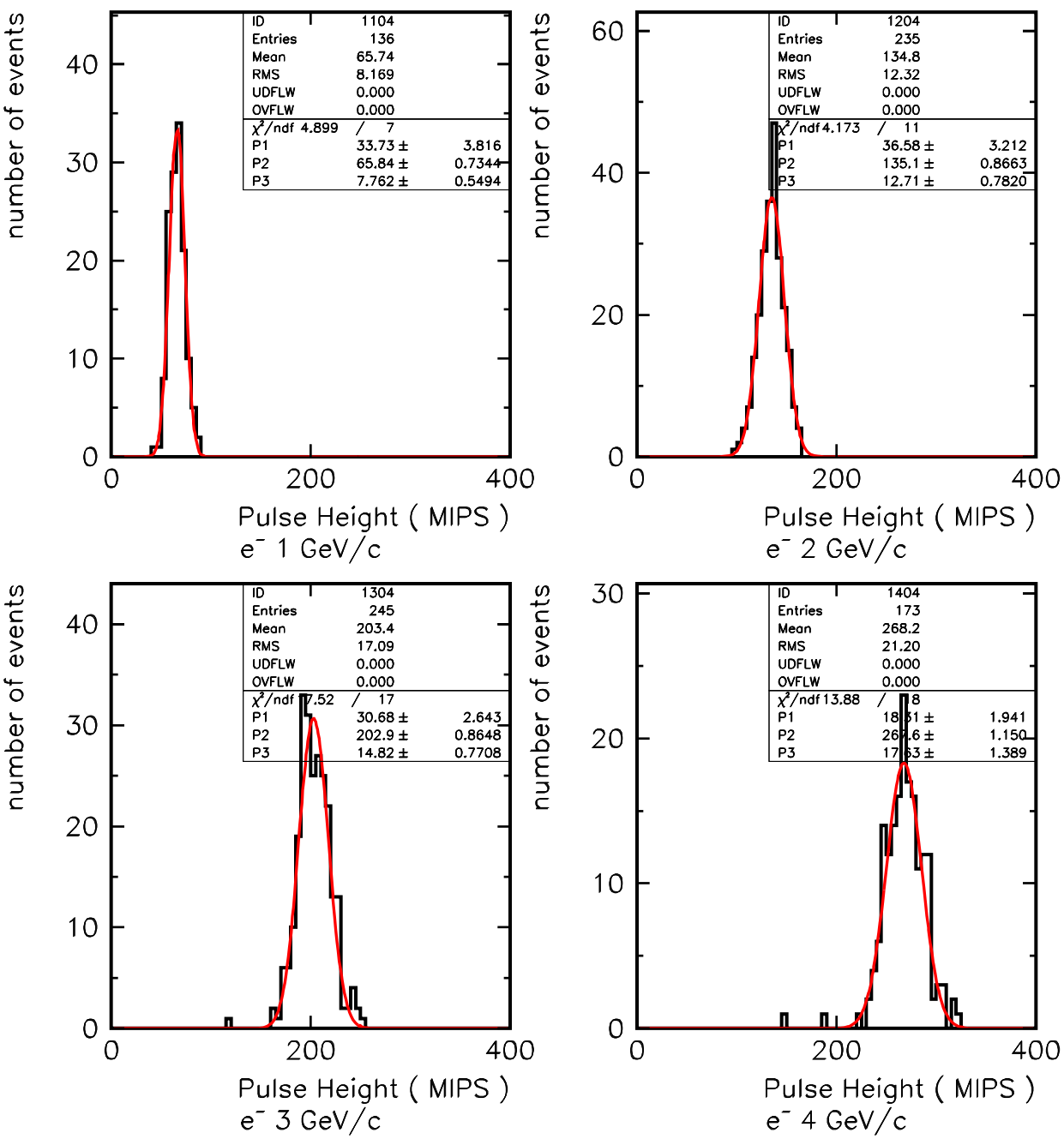
x scan window position−1.3(cm)...(0.5 cm)

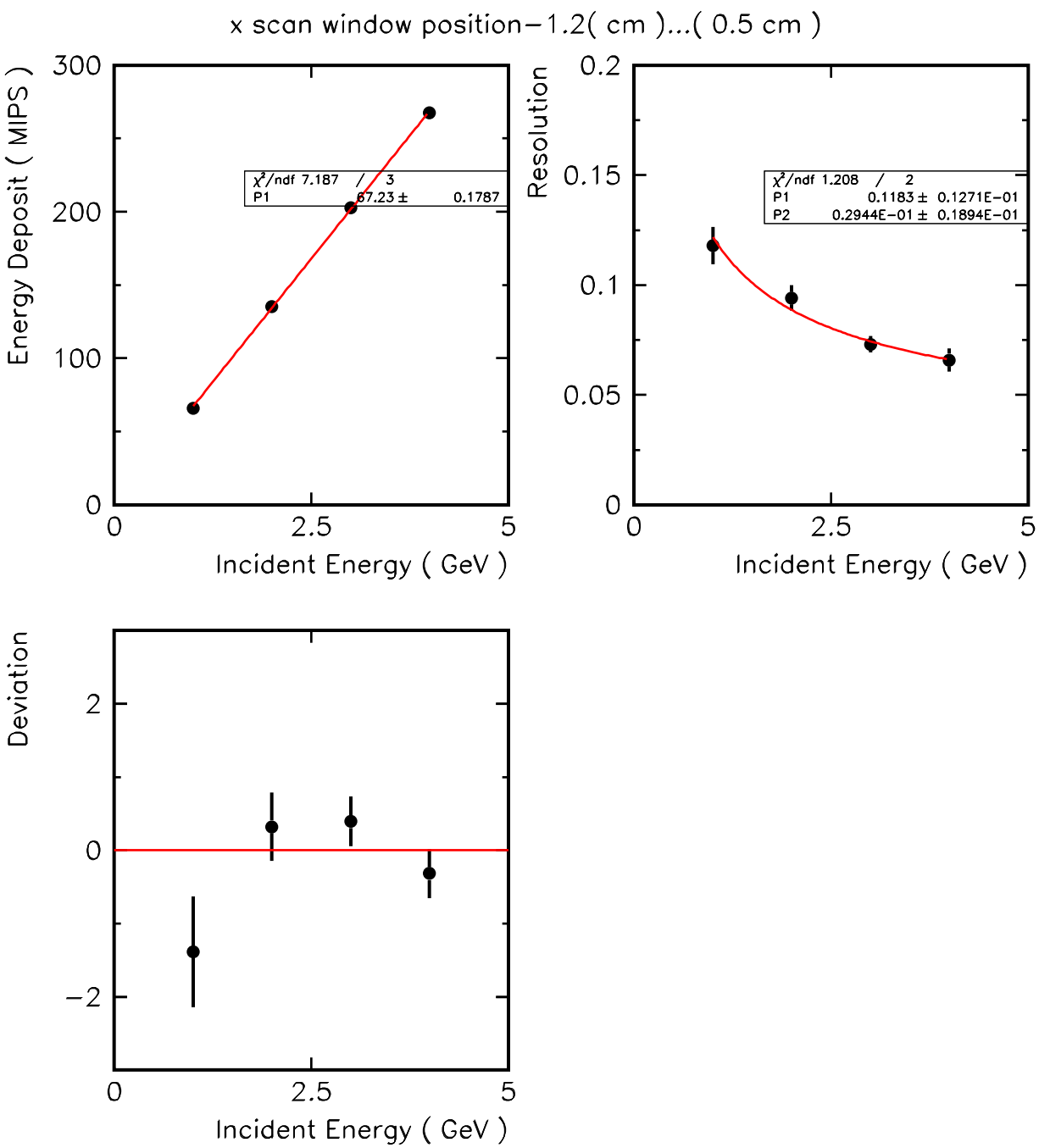




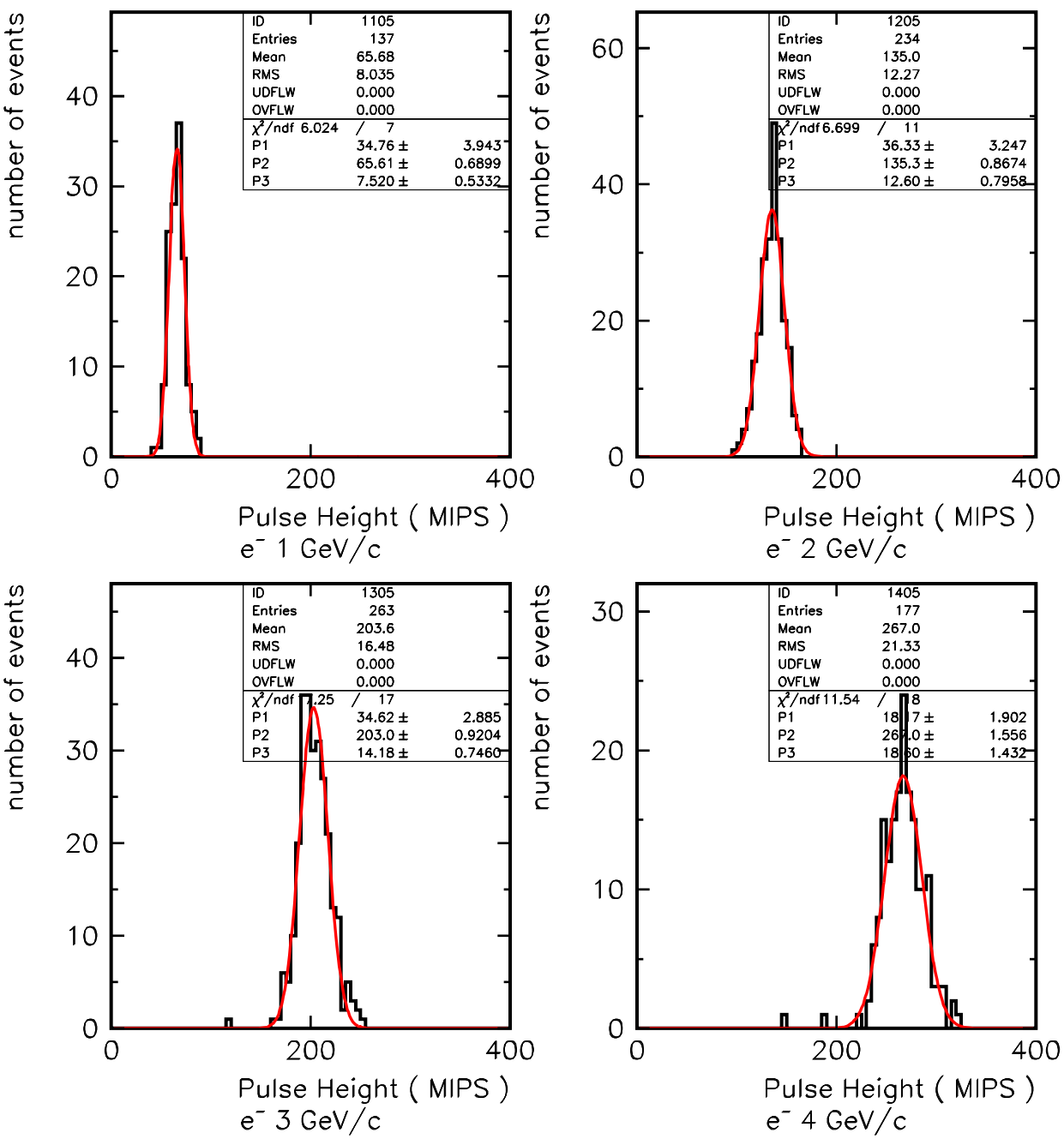


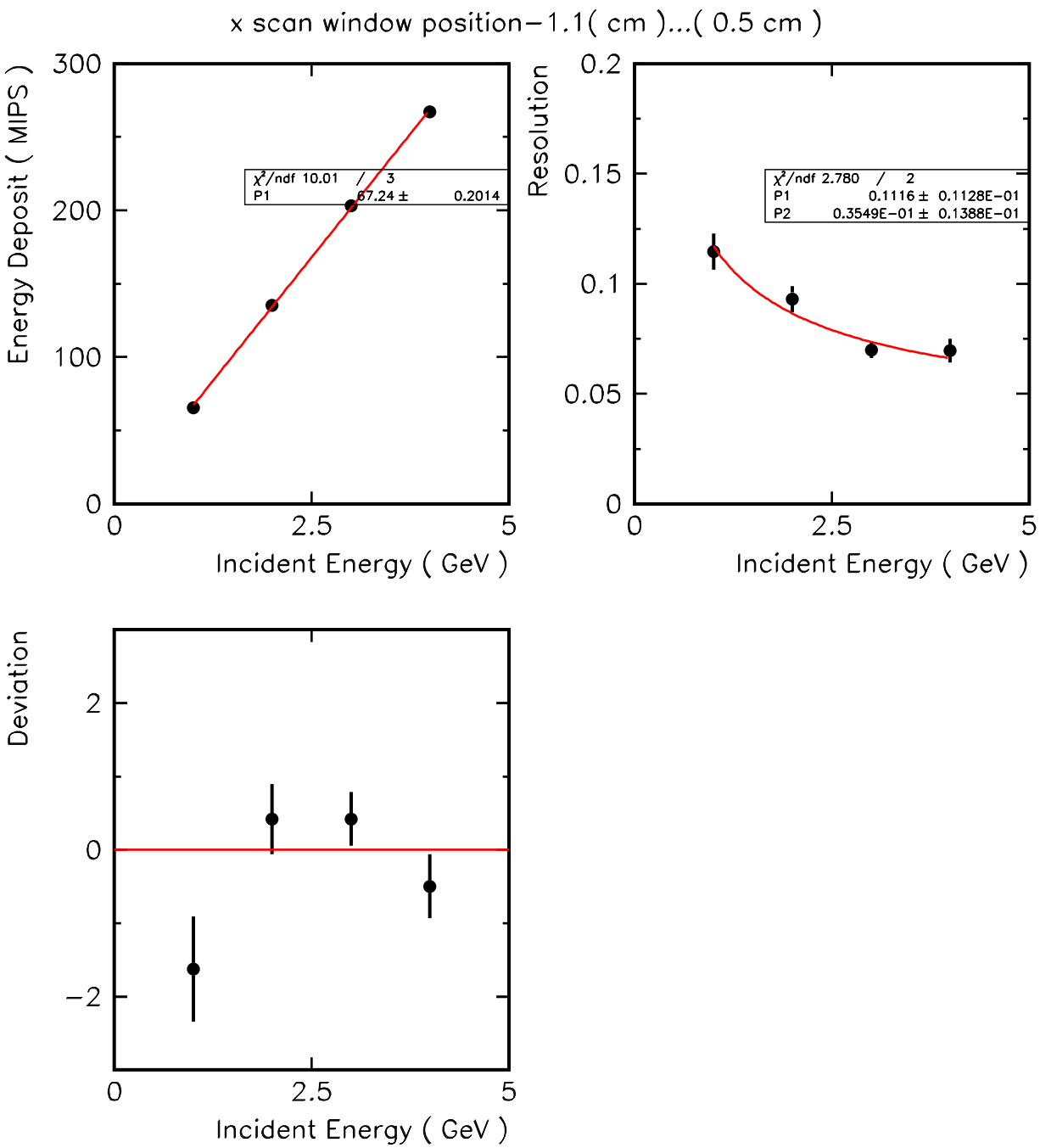
x scan window position−1.2(cm)...(0.5 cm)



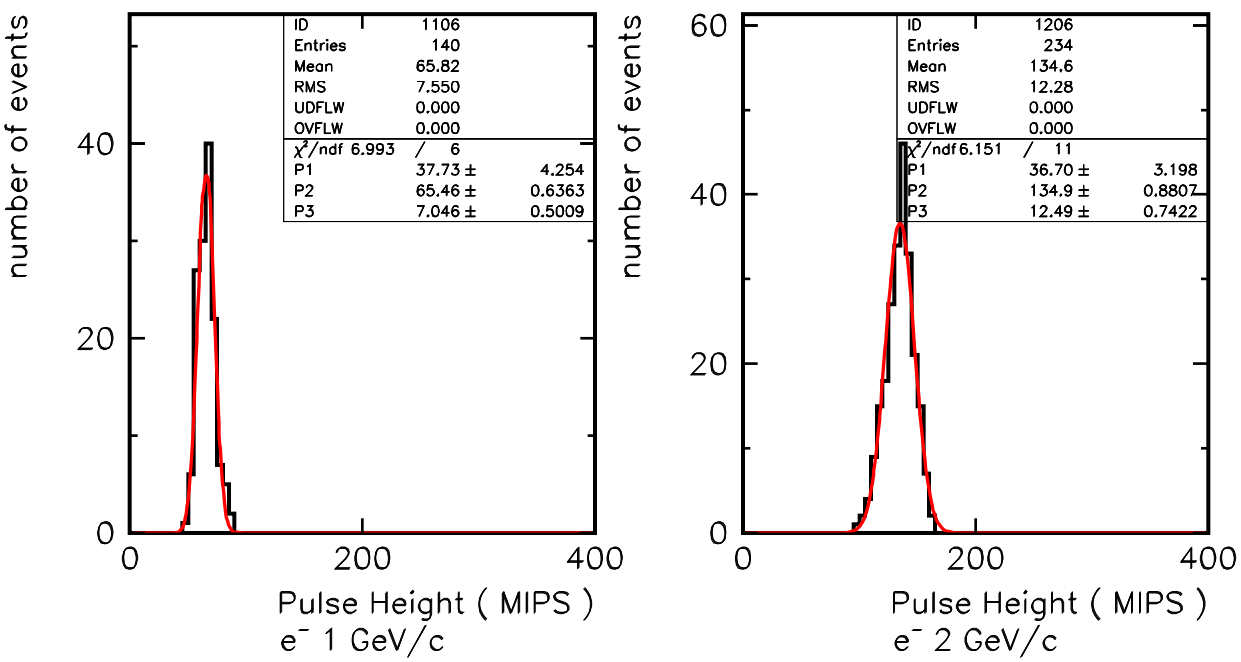

x scan window position−1.2(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 7.187 / 3
P1 67.23 ± 0.1787
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 1.208 / 2
P1 0.1183 ± 0.1271E−01
P2 0.2944E−01 ± 0.1894E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

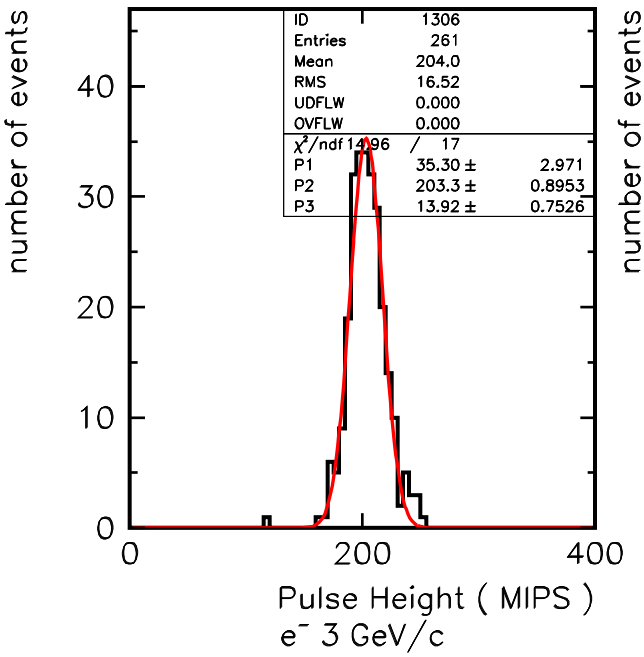
x scan window position−1.1(cm)...(0.5 cm)

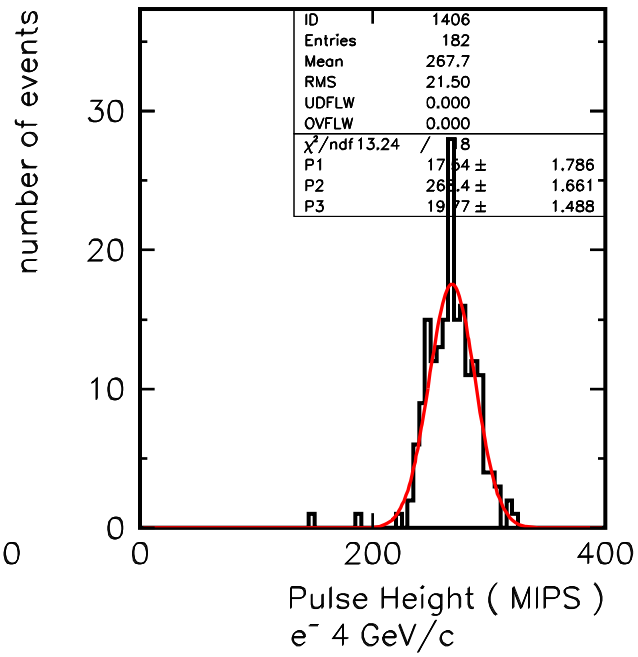



x scan window position−1.1(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 10.01 / 3
P1 67.24 ± 0.2014
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 2.780 / 2
P1 0.1116 ± 0.1128E−01
P2 0.3549E−01 ± 0.1388E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

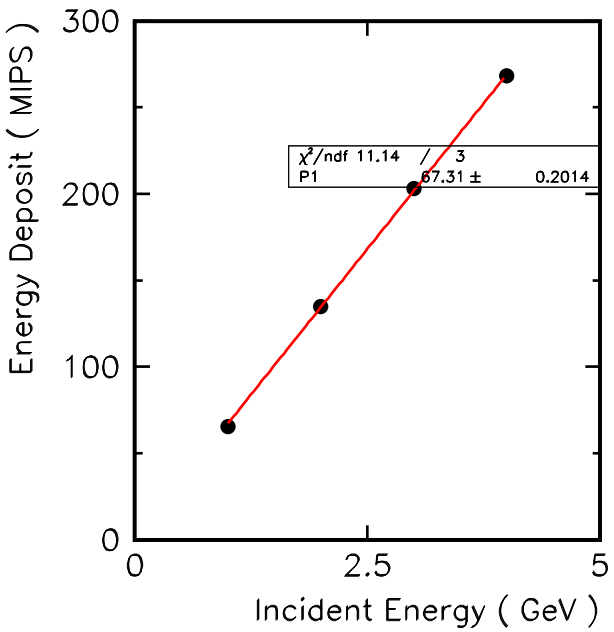
x scan window position−1(cm)...(0.5 cm)

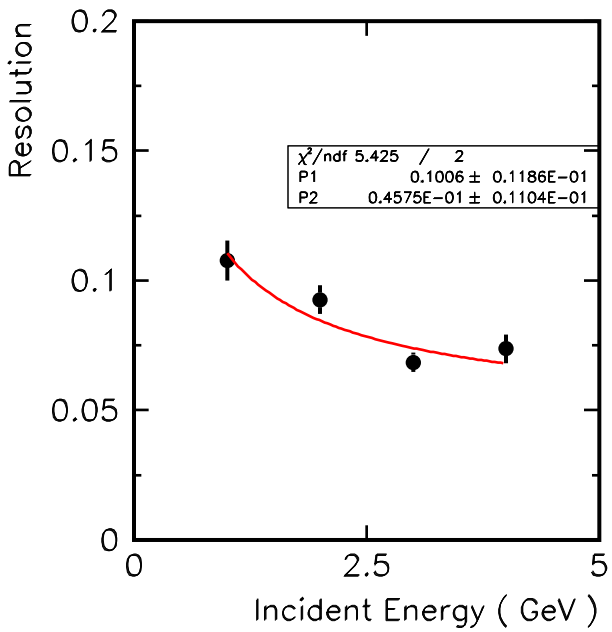


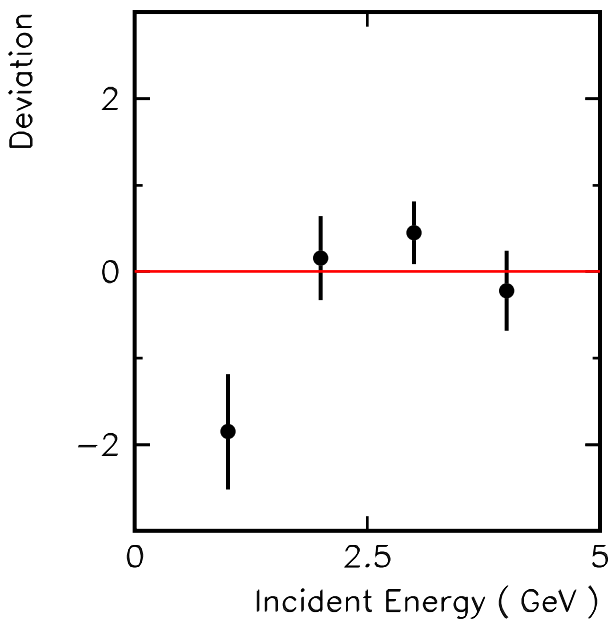




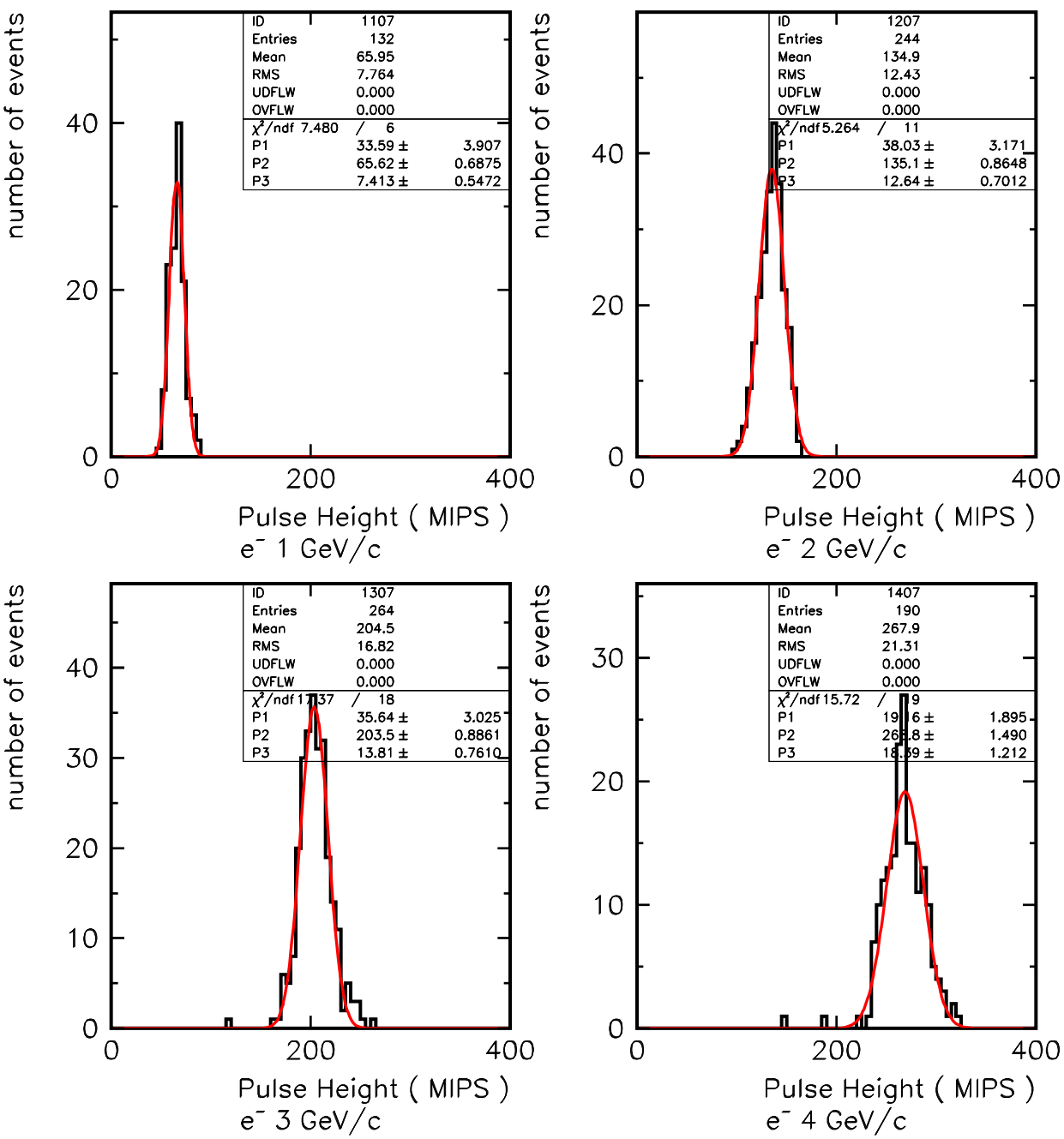
x scan window position−1(cm)...(0.5 cm)



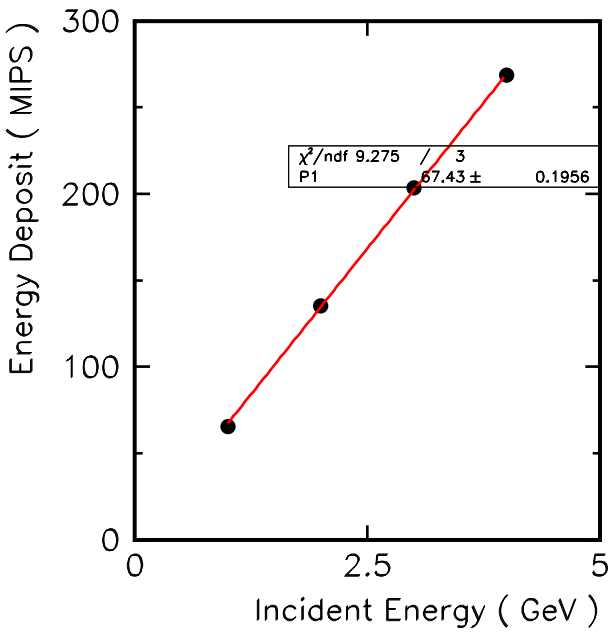


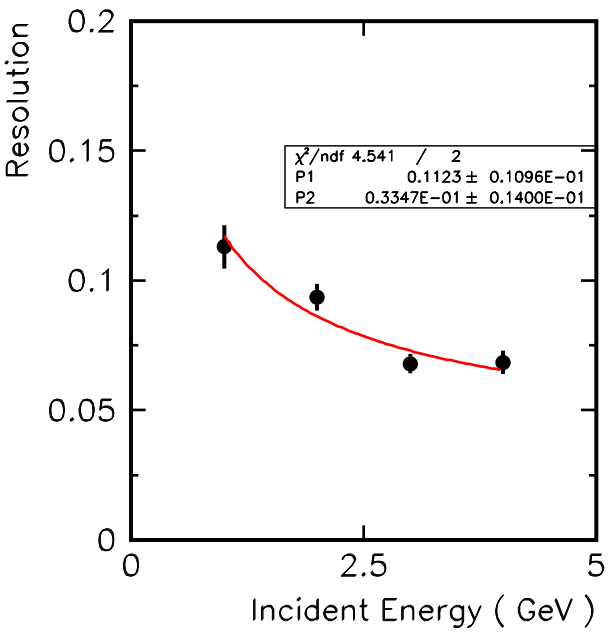


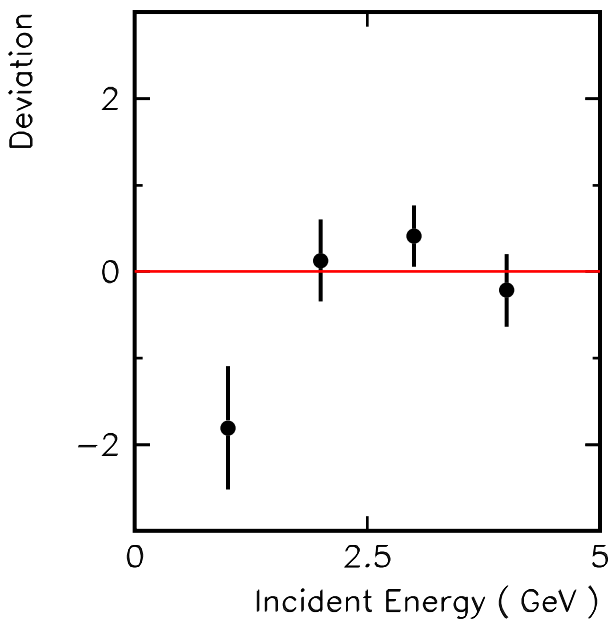
x scan window position−0.9(cm)...(0.5 cm)



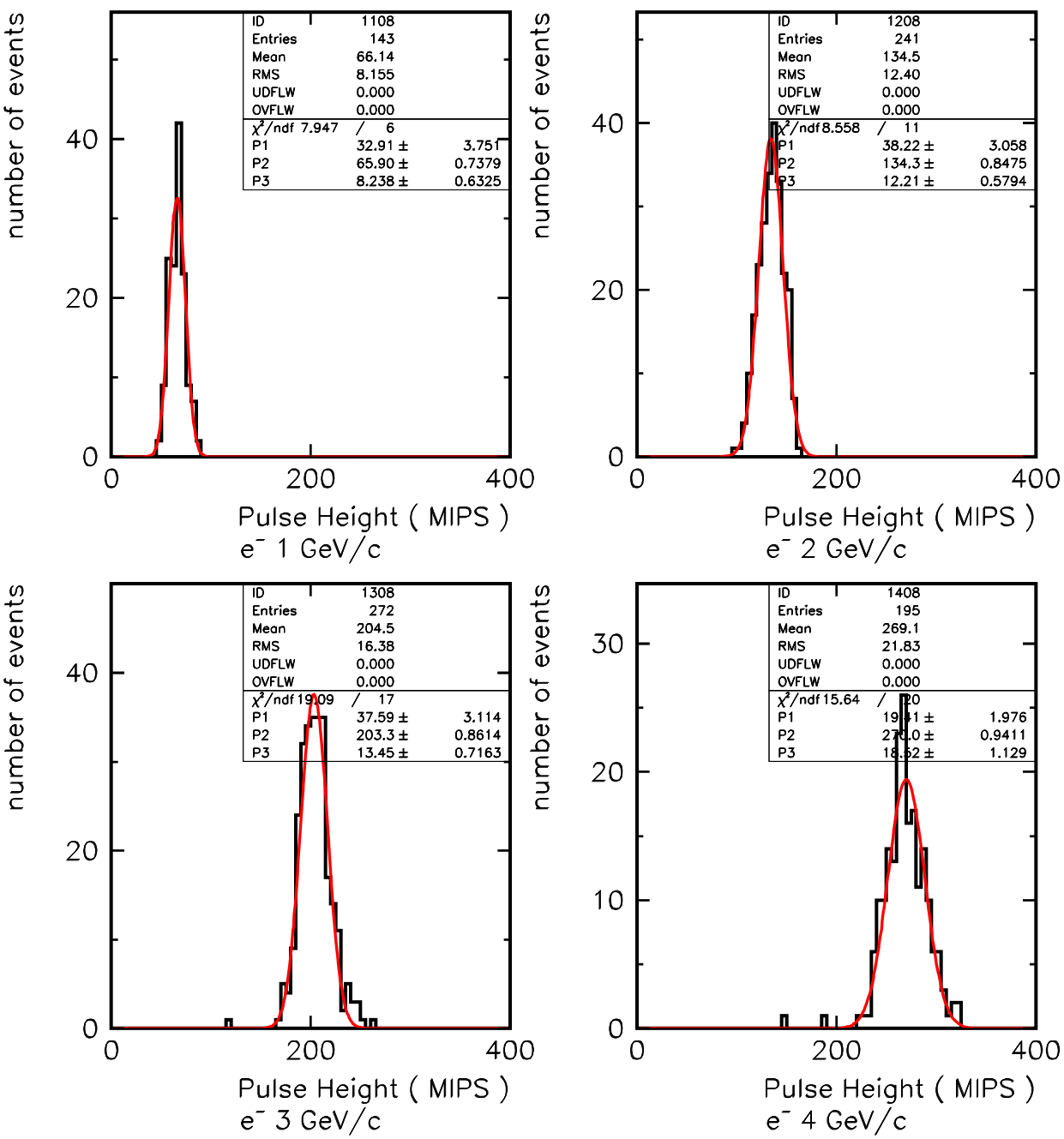
x scan window position−0.9(cm)...(0.5 cm)

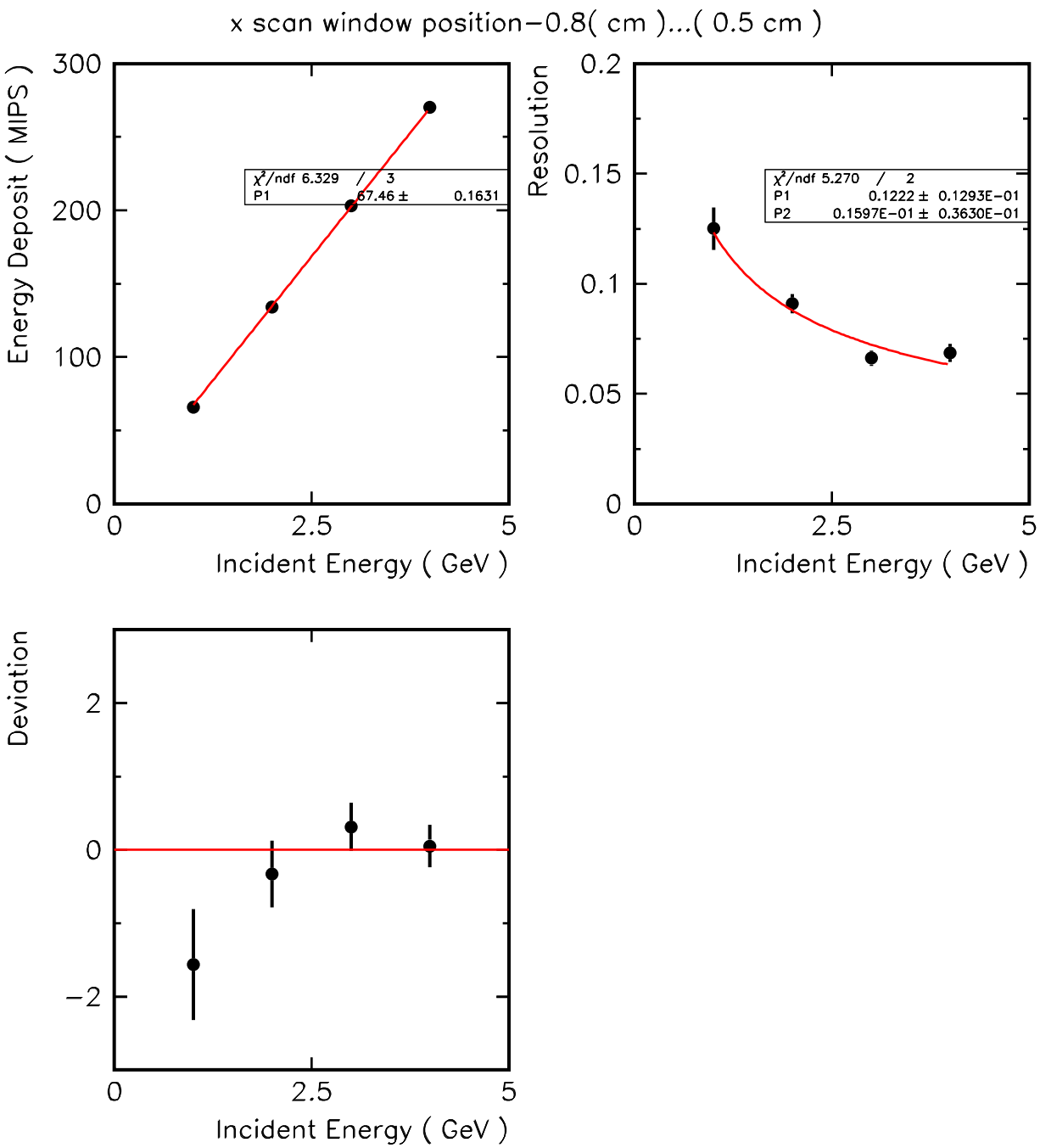




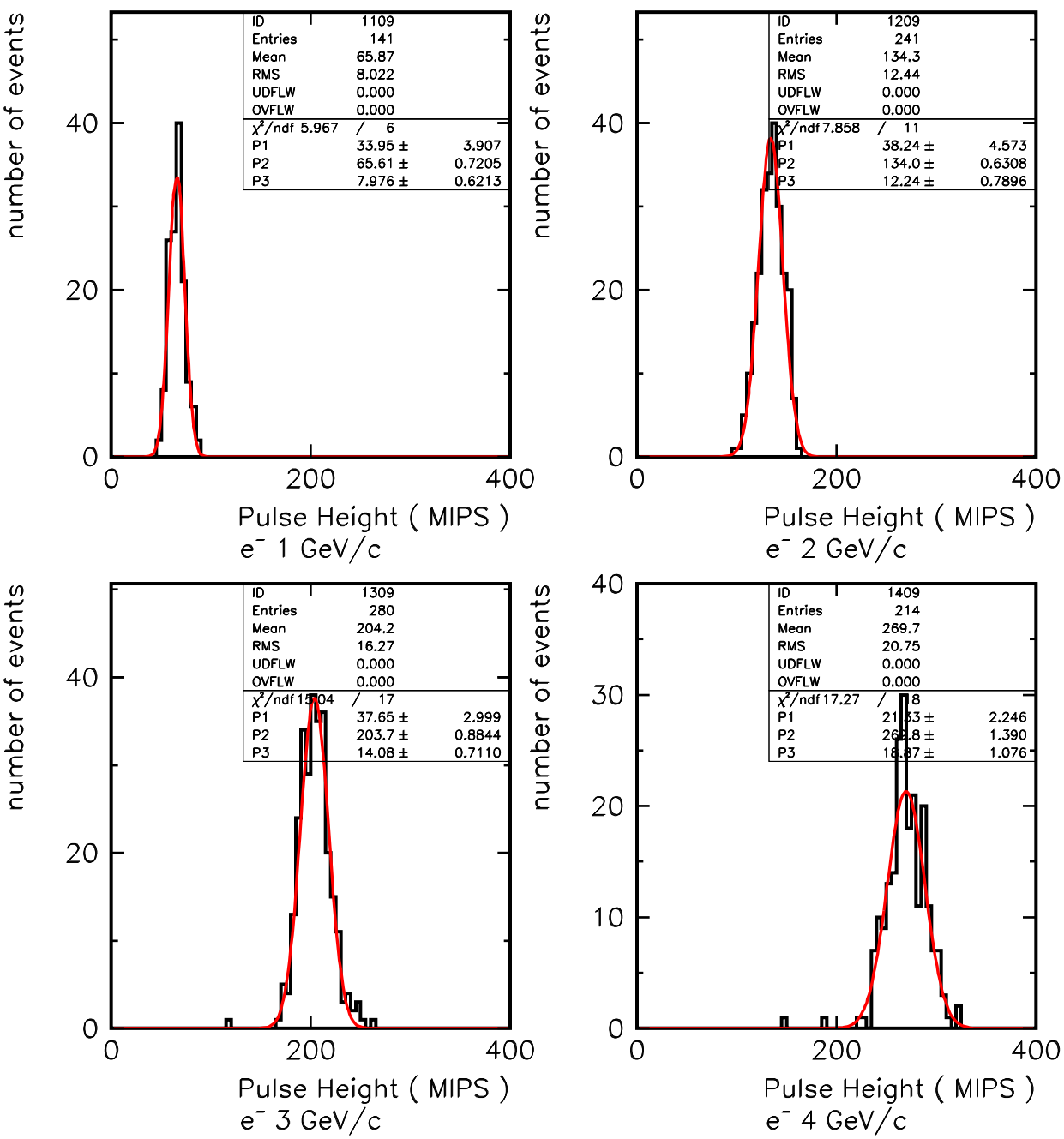


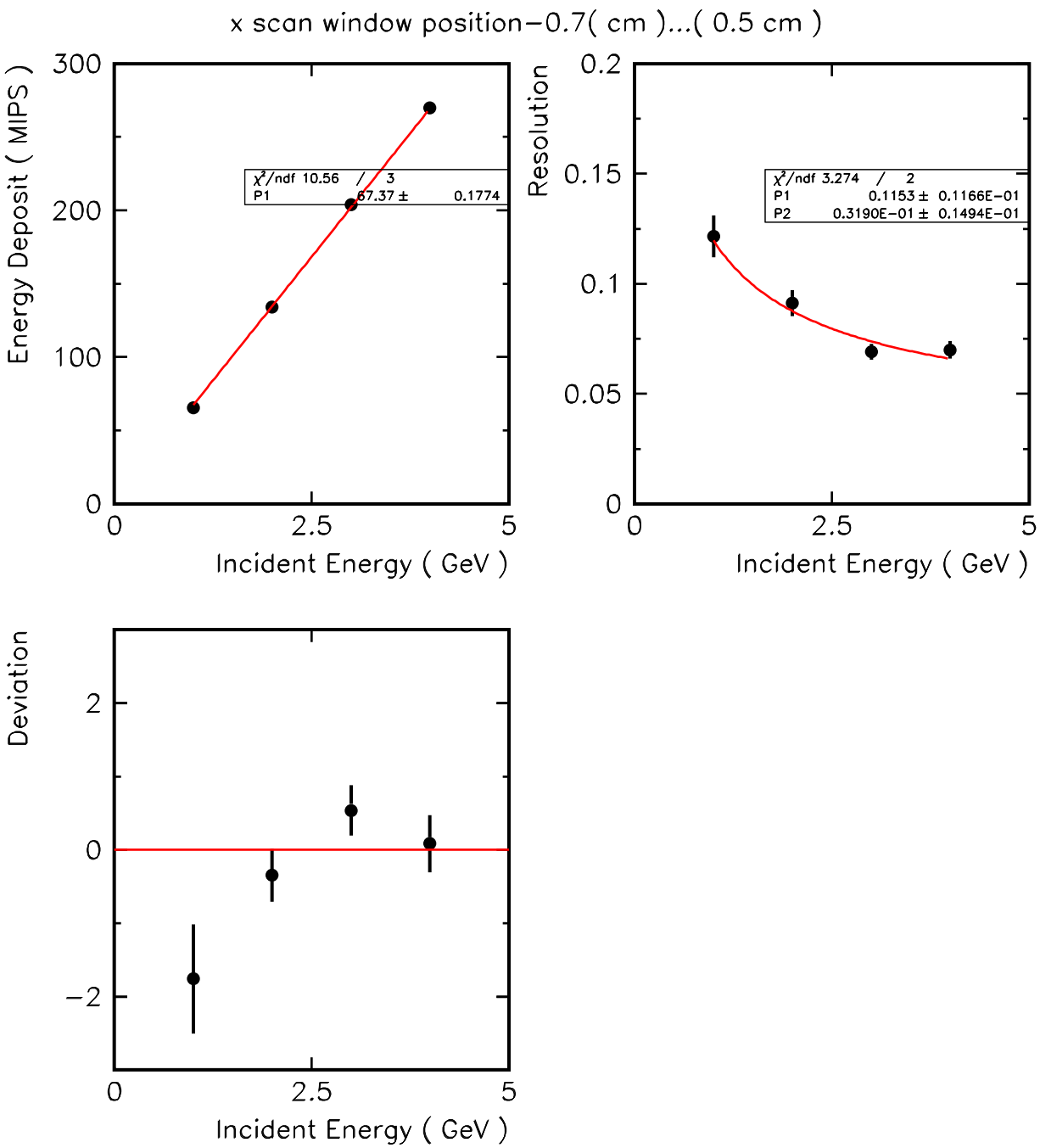
x scan window position−0.8(cm)...(0.5 cm)



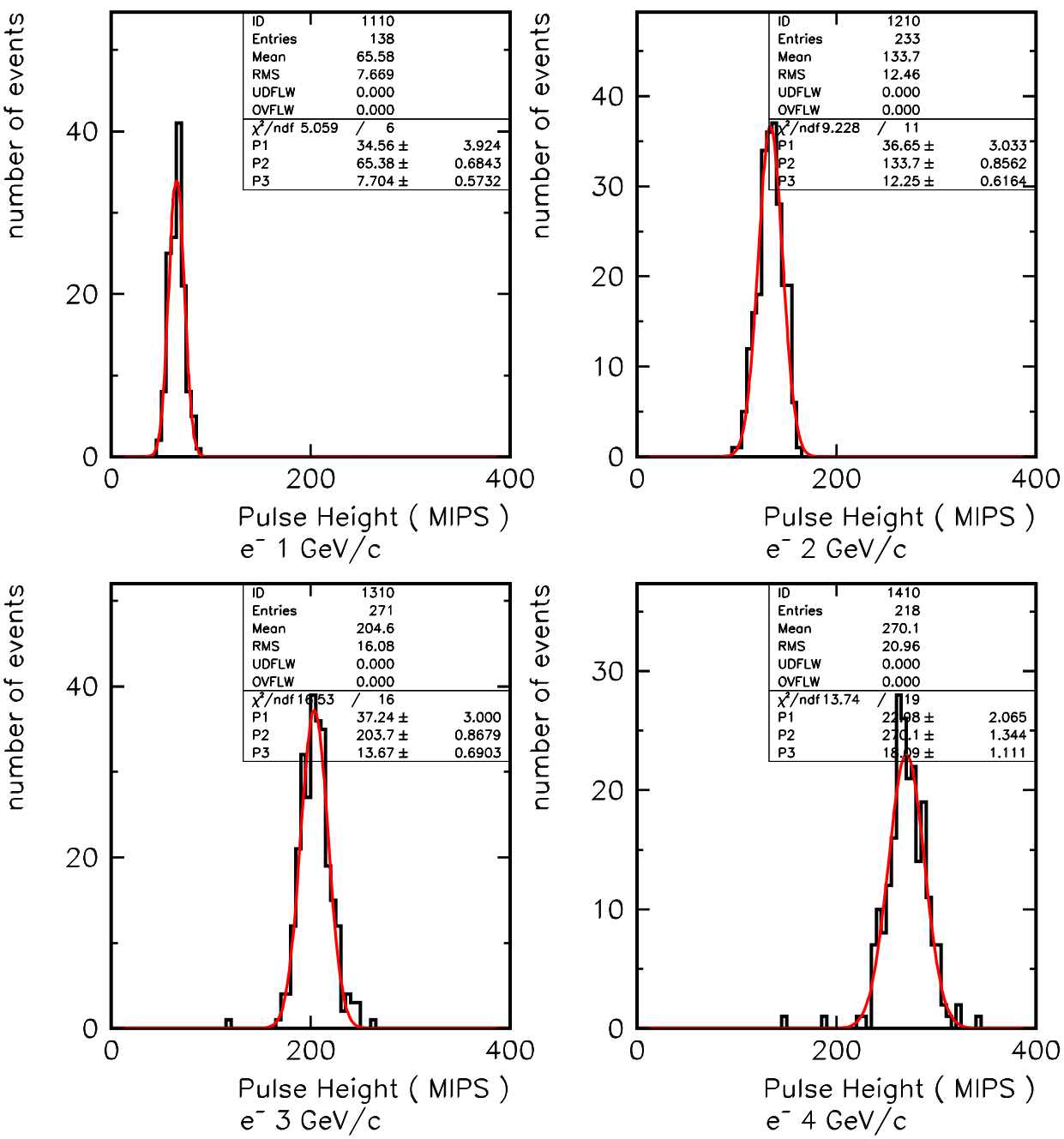

x scan window position−0.8(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 6.329 / 3
P1 67.46 ± 0.1631
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 5.270 / 2
P1 0.1222 ± 0.1293E−01
P2 0.1597E−01 ± 0.3630E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

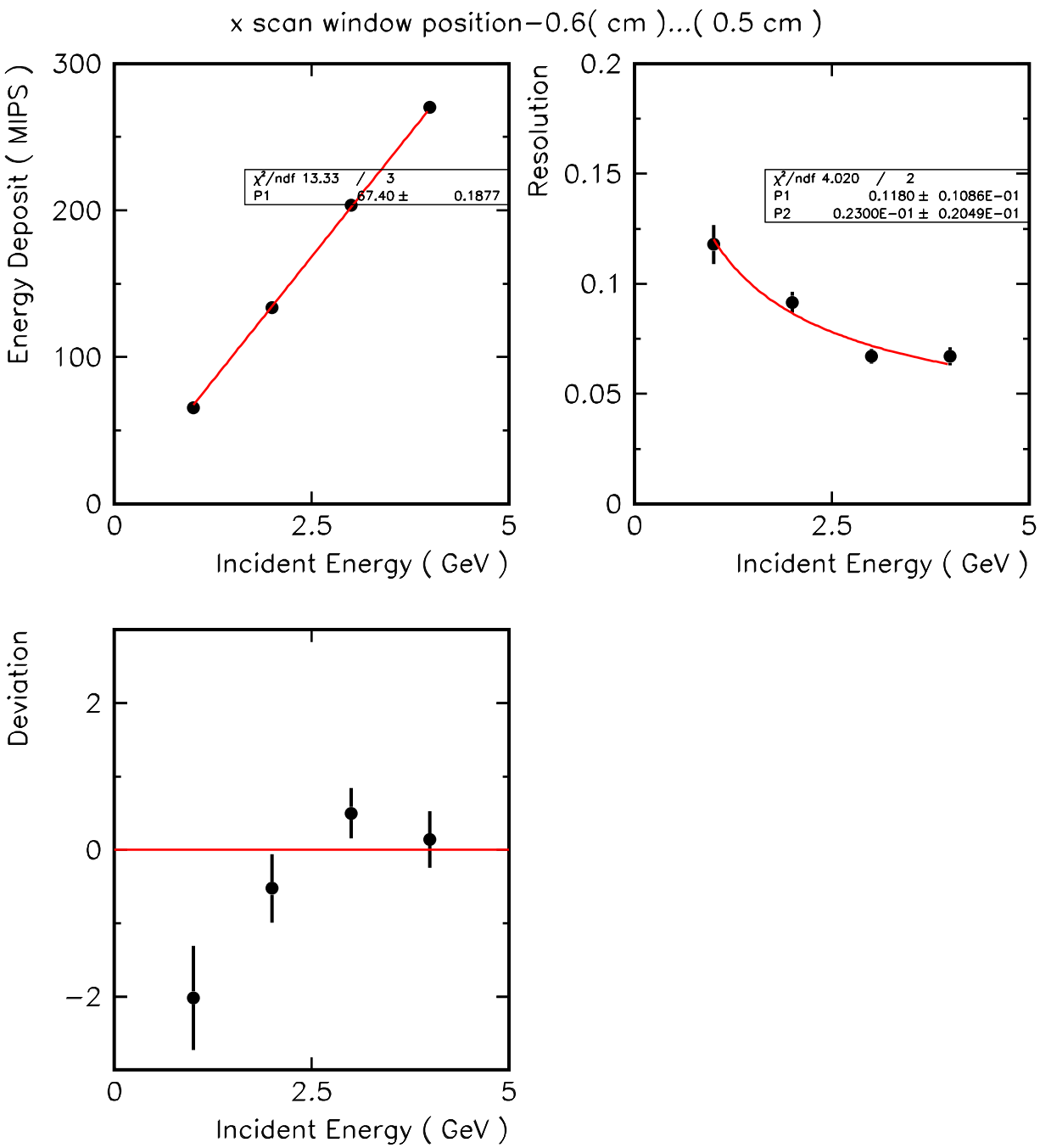
x scan window position−0.7(cm)...(0.5 cm)



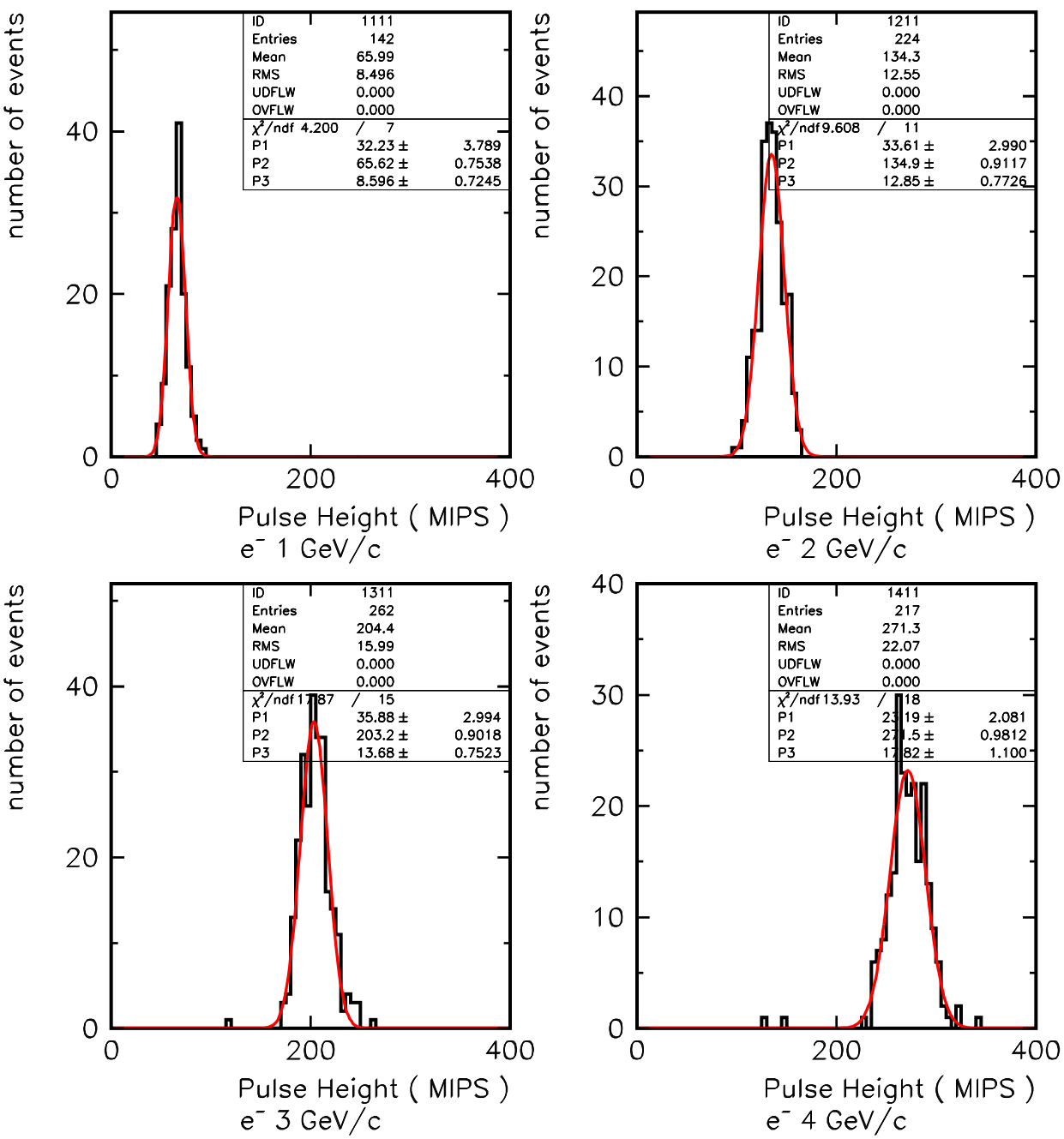

x scan window position−0.7(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 10.56 / 3
P1 67.37 ± 0.1774
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 3.274 / 2
P1 0.1153 ± 0.1166E−01
P2 0.3190E−01 ± 0.1494E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

x scan window position−0.6(cm)...(0.5 cm)

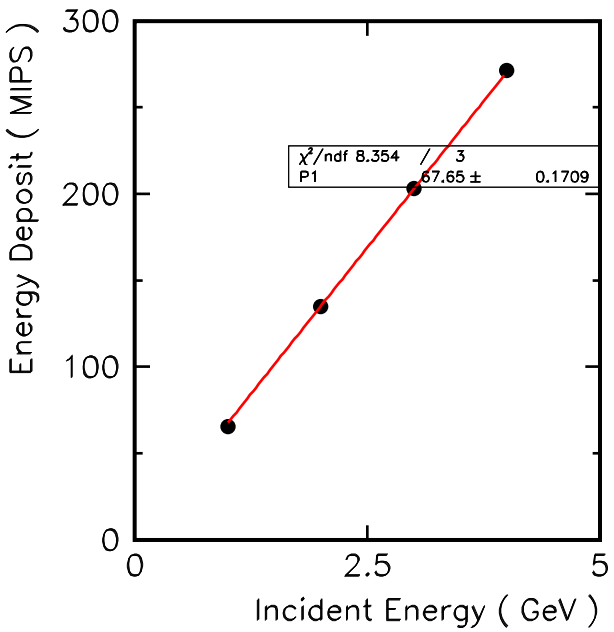


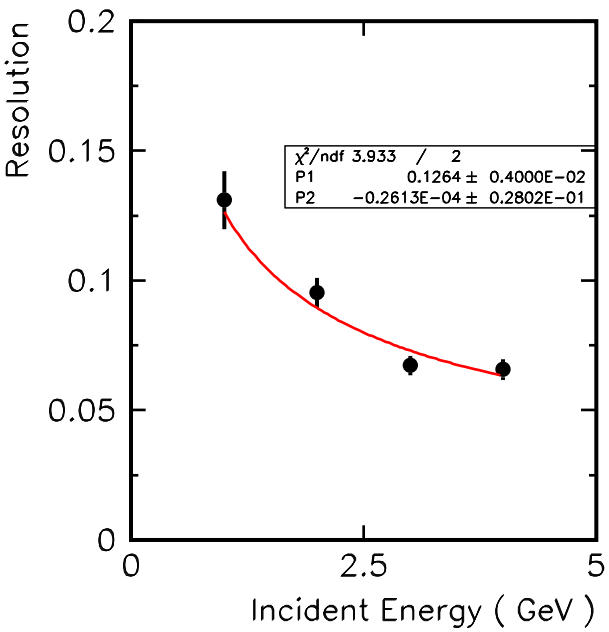

x scan window position−0.6(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 13.33 / 3
P1 67.40 ± 0.1877
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 4.020 / 2
P1 0.1180 ± 0.1086E−01
P2 0.2300E−01 ± 0.2049E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

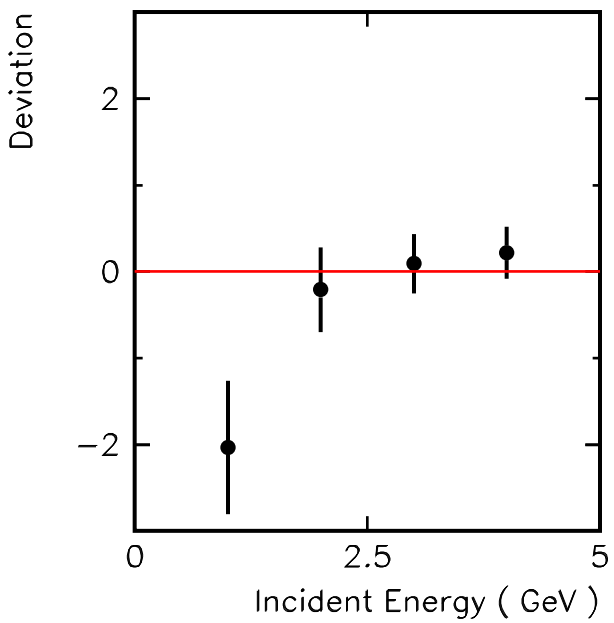
x scan window position−0.5(cm)...(0.5 cm)



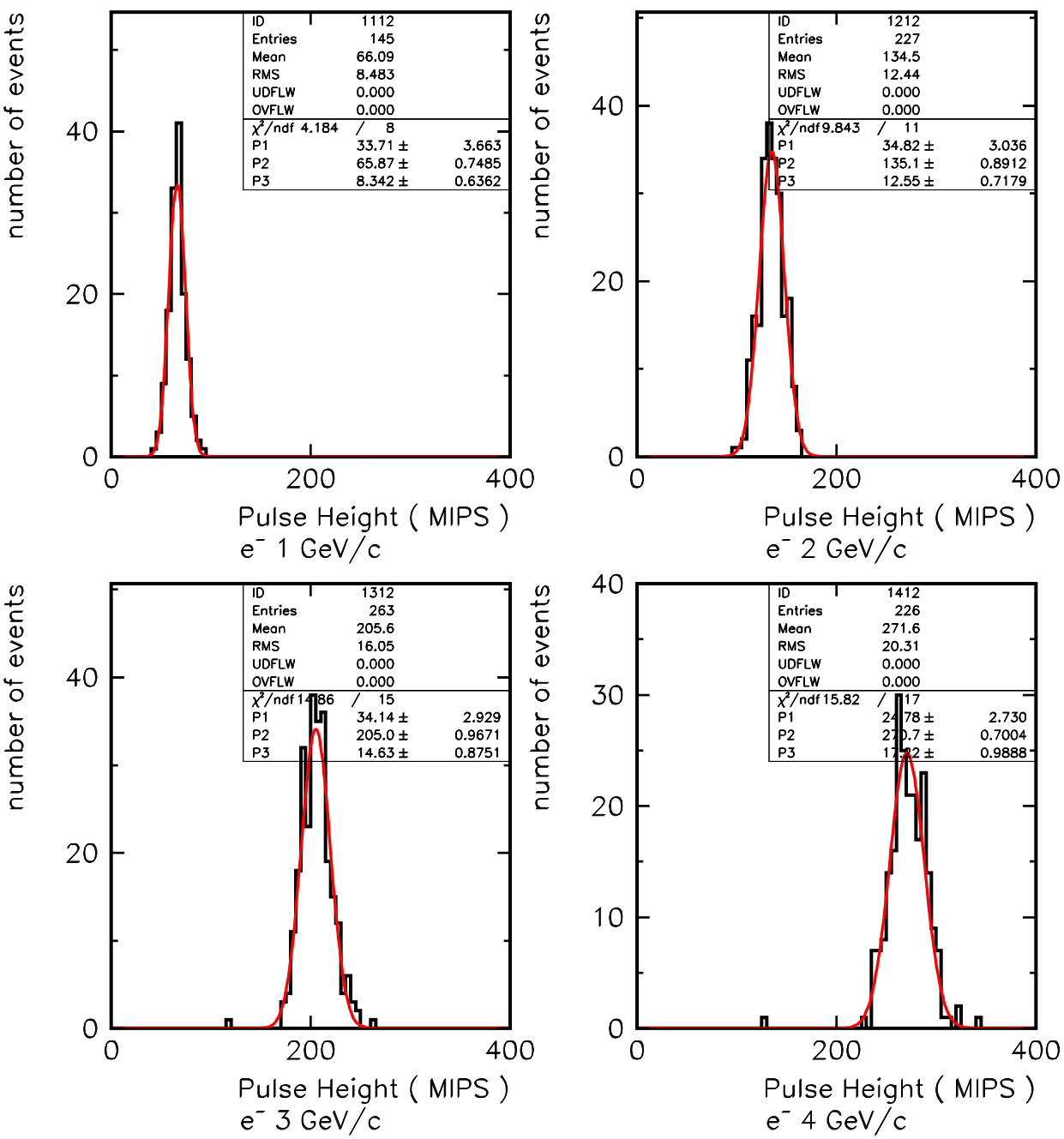
x scan window position−0.5(cm)...(0.5 cm)

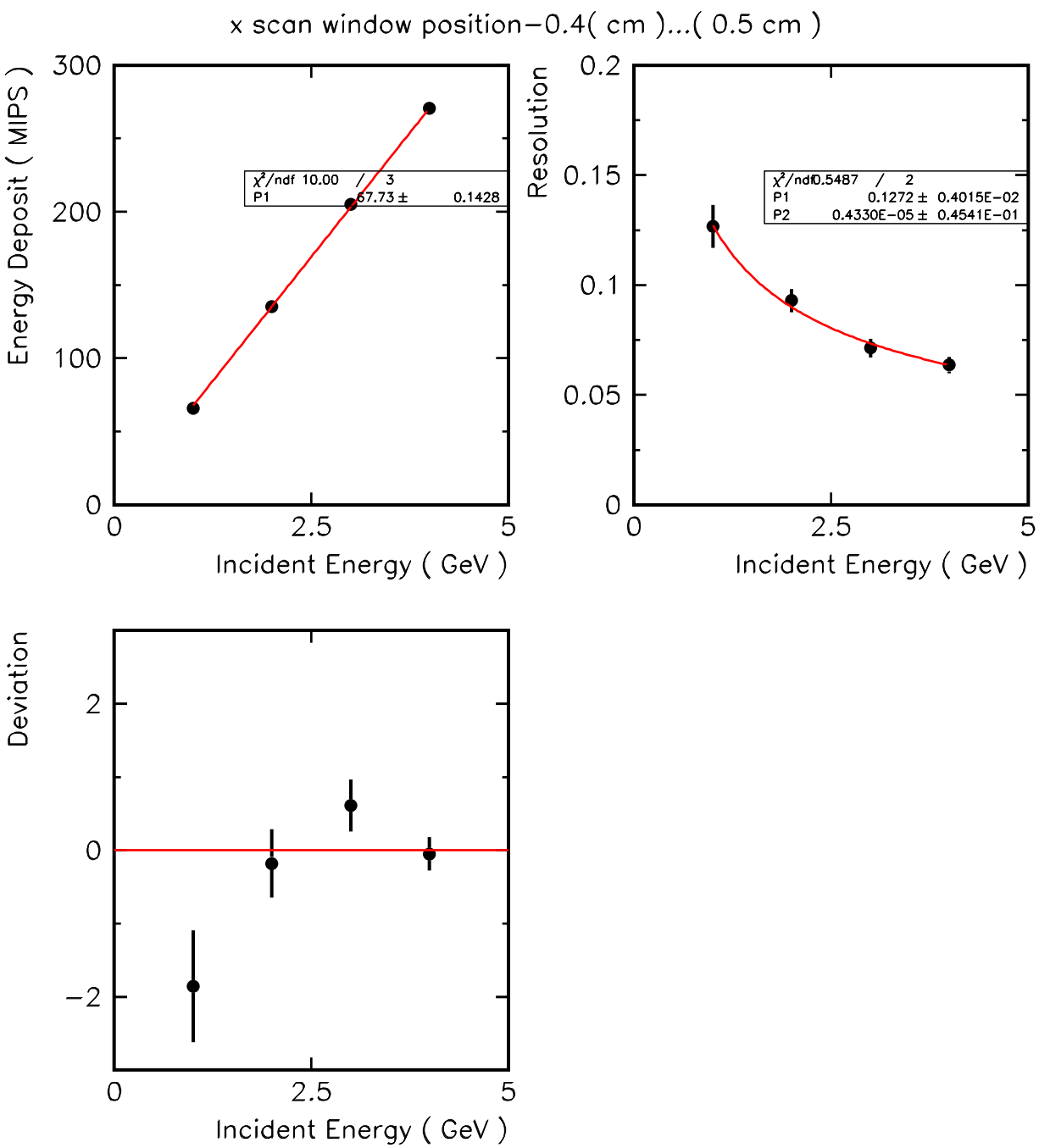




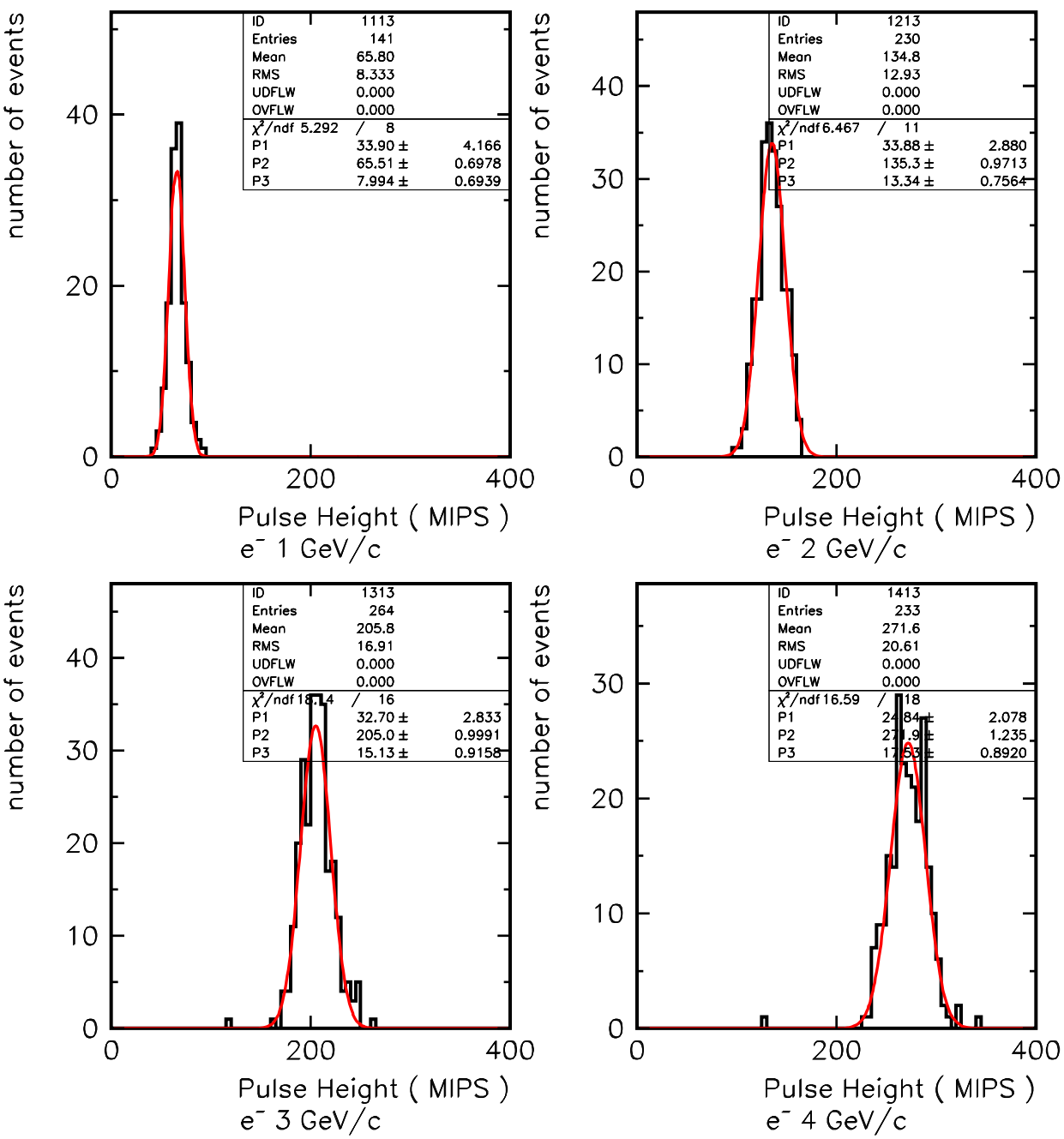


x scan window position−0.4(cm)...(0.5 cm)

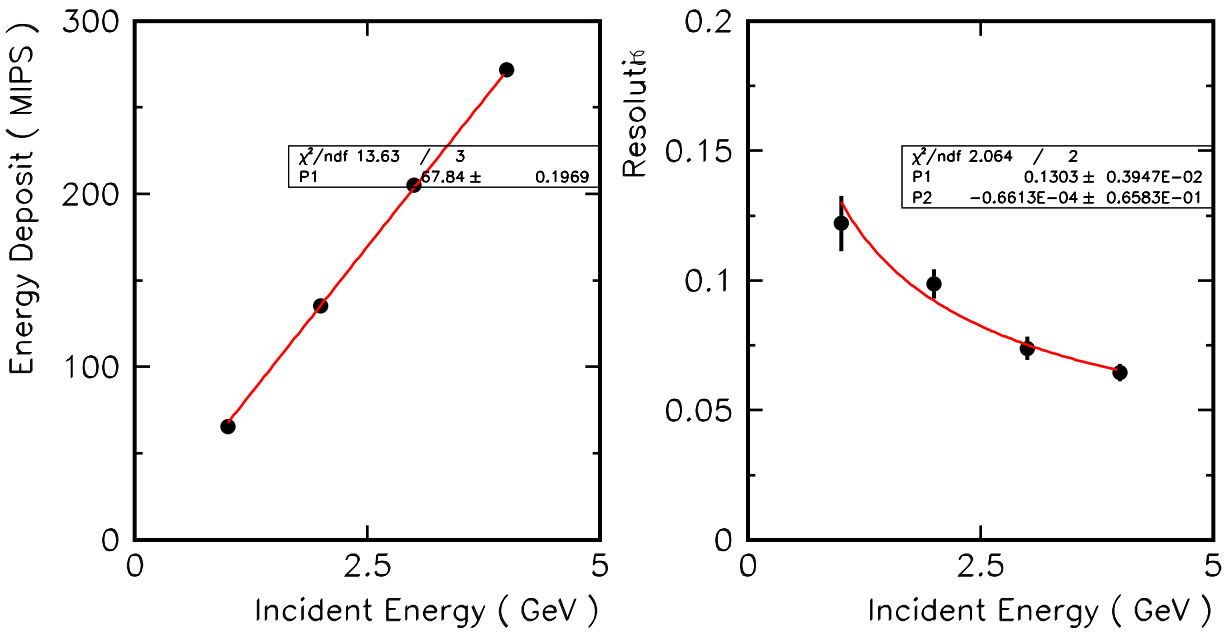



x scan window position−0.4(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 10.00 / 3
P1 67.73 ± 0.1428
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 0.5487 / 2
P1 0.1272 ± 0.4015E−02
P2 0.4330E−05 ± 0.4541E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

x scan window position−0.3(cm)...(0.5 cm)



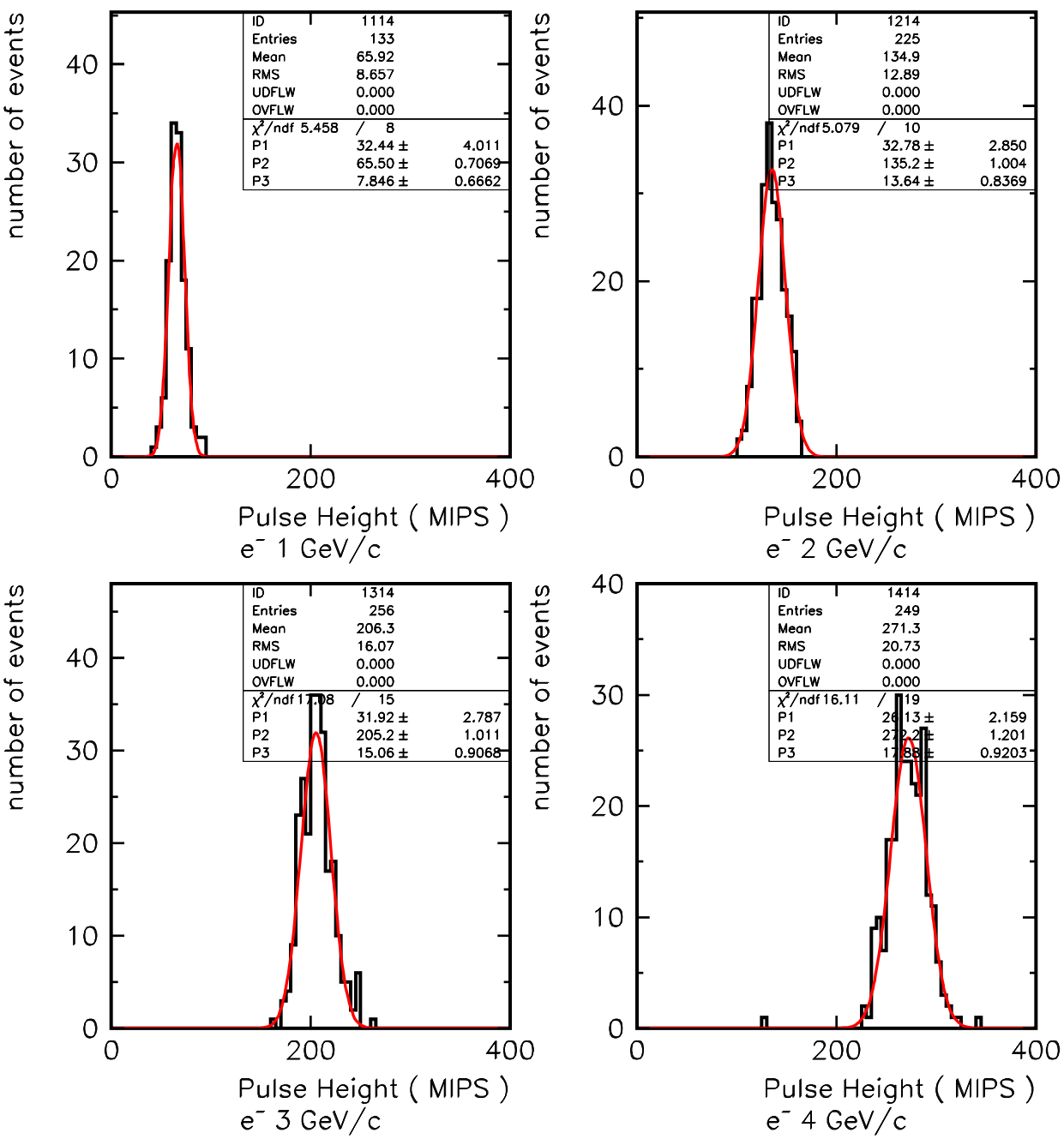
x scan window position−0.3(cm)...(0.5 cm)

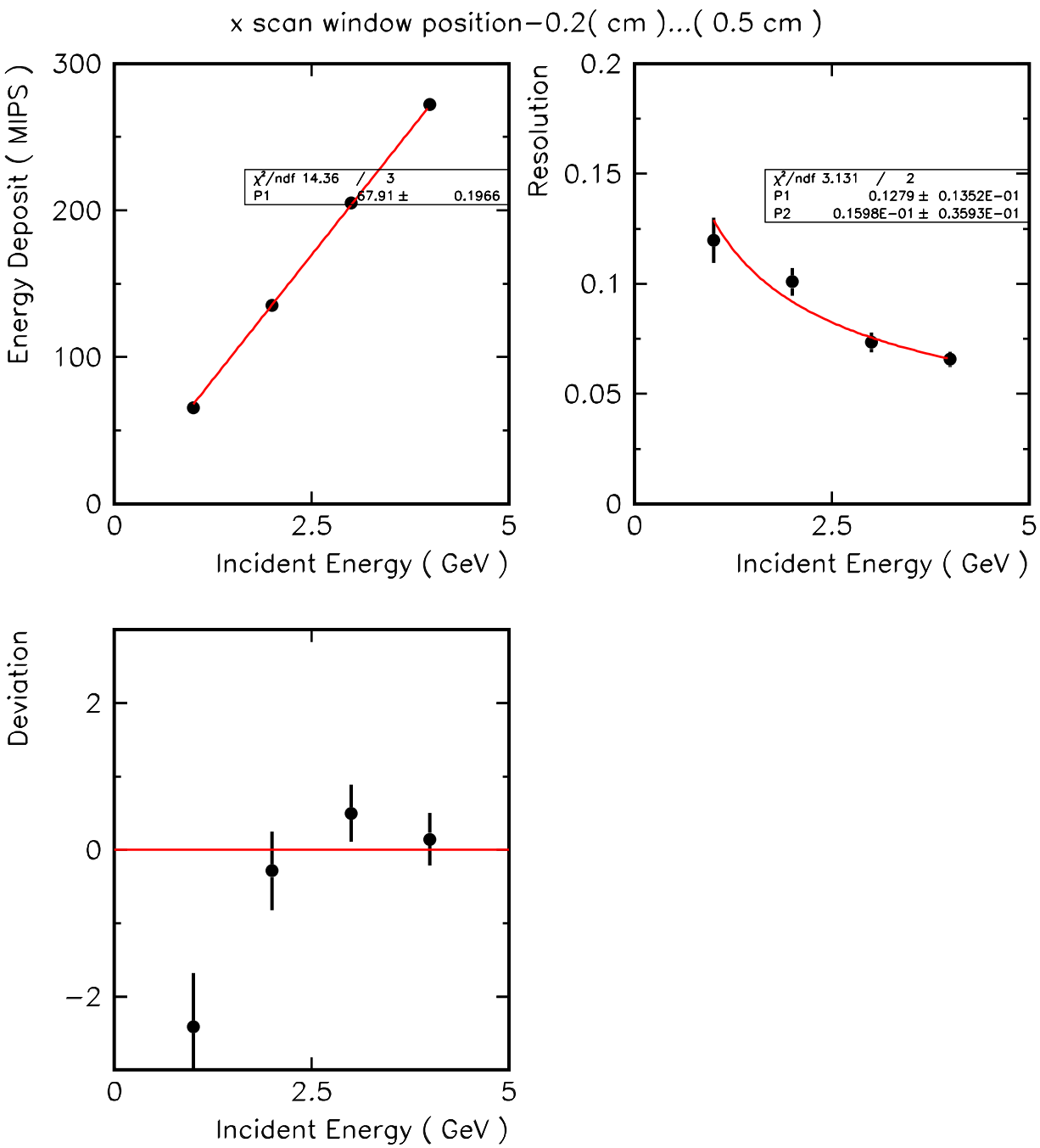


Deviation

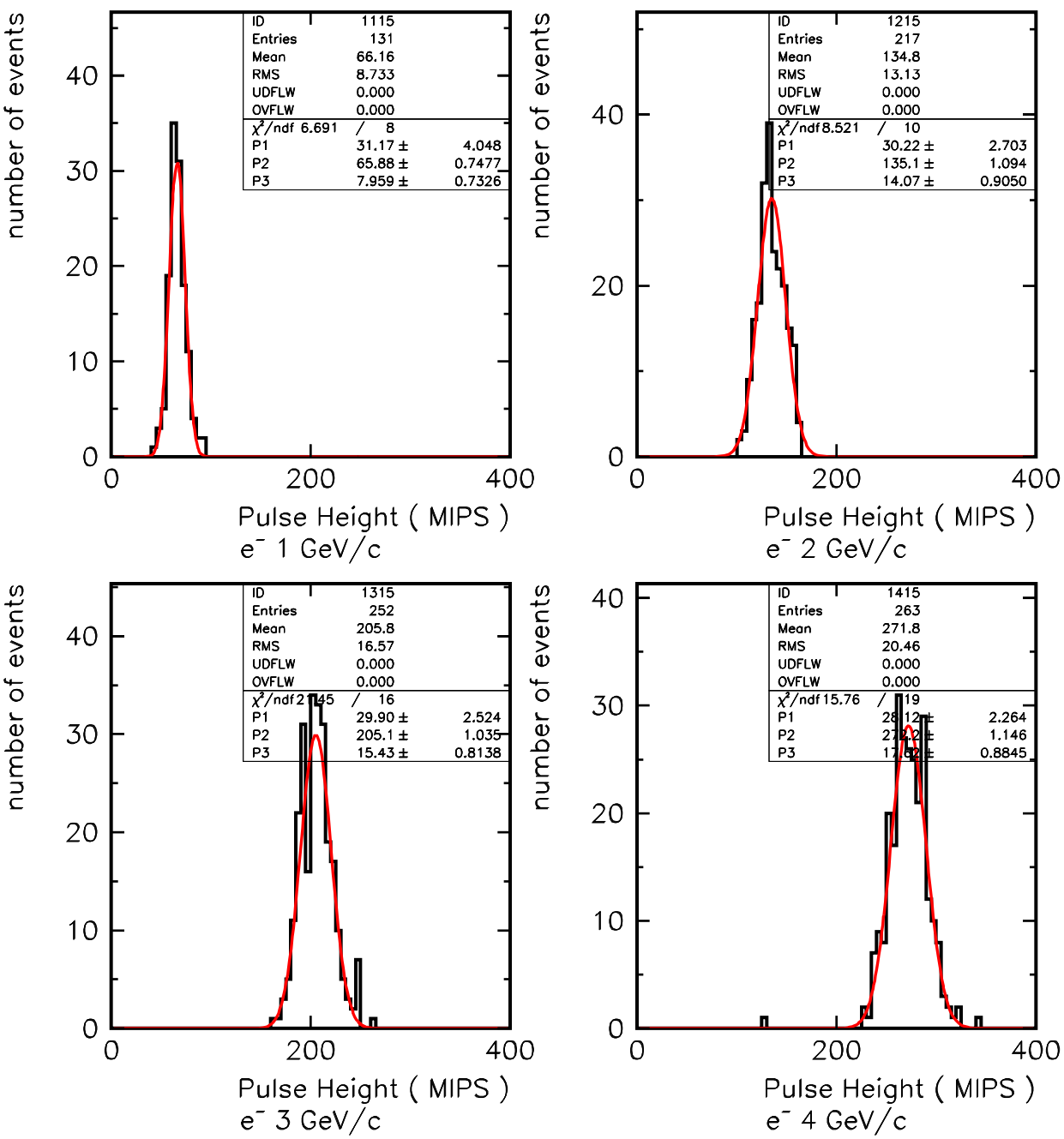
rgy (GeV)

x scan window position−0.2(cm)...(0.5 cm)

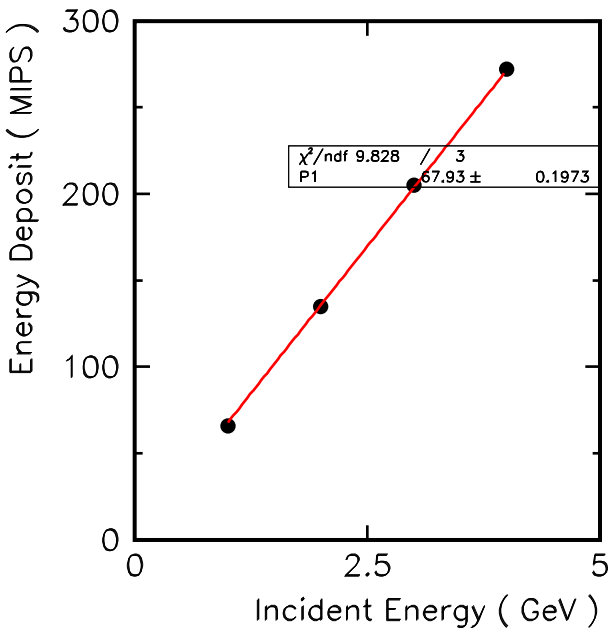


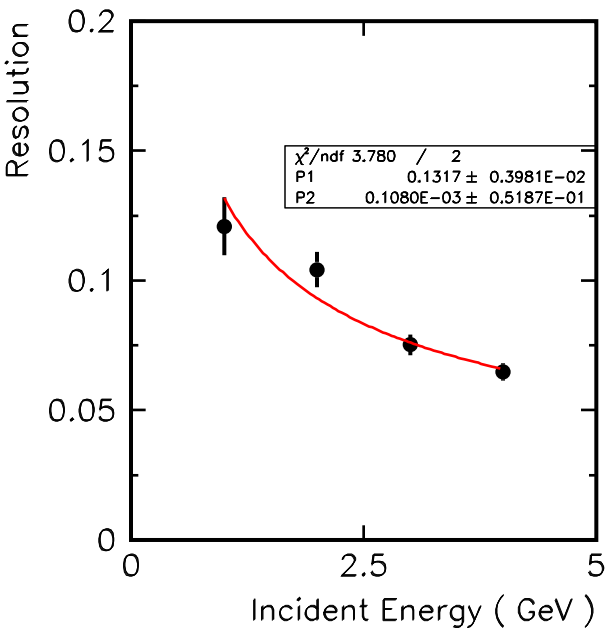

x scan window position−0.2(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 14.36 / 3
P1 67.91 ± 0.1966
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 3.131 / 2
P1 0.1279 ± 0.1352E−01
P2 0.1598E−01 ± 0.3593E−01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

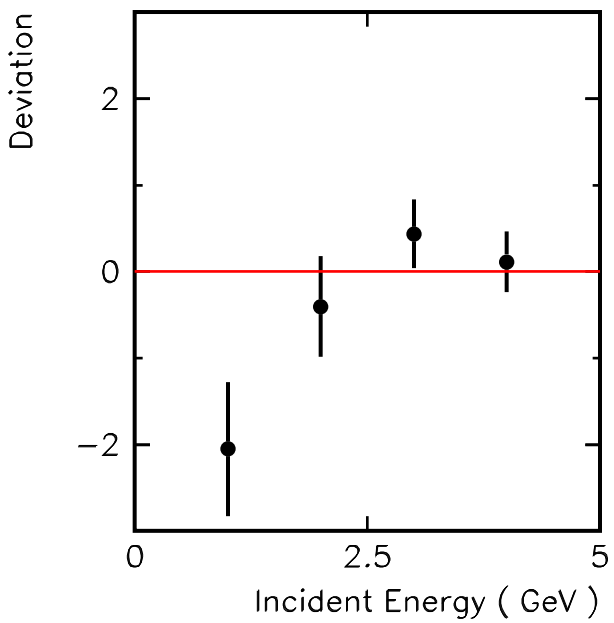
x scan window position−0.1(cm)...(0.5 cm)



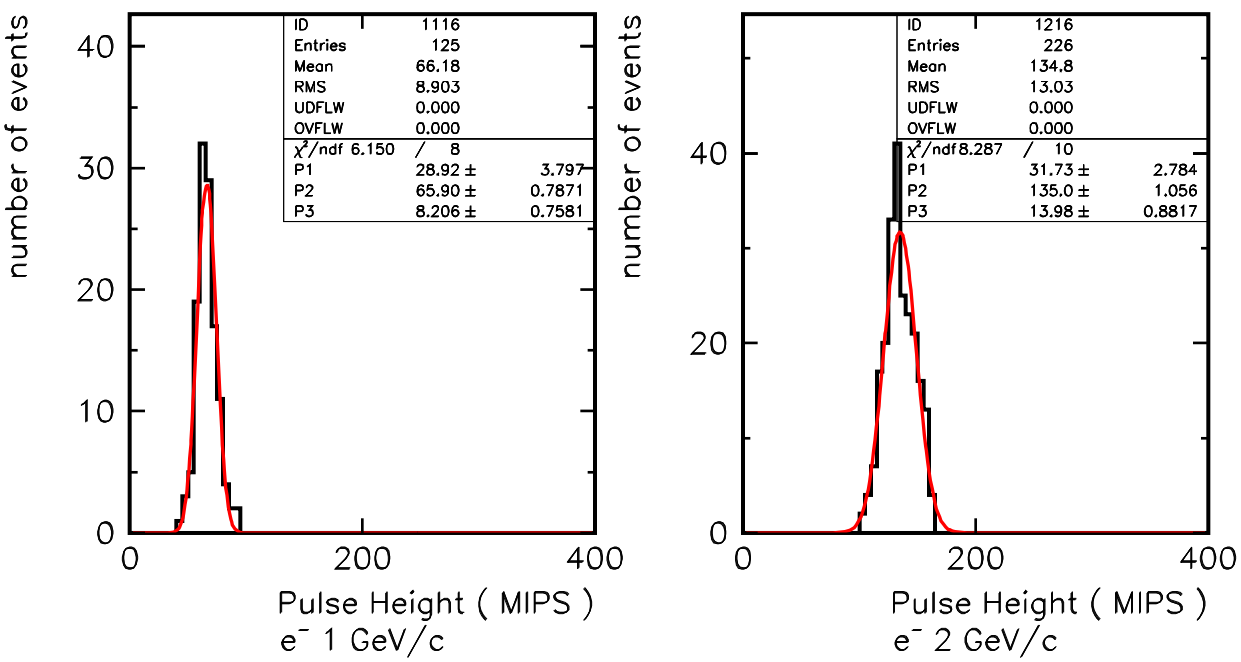
x scan window position−0.1(cm)...(0.5 cm)

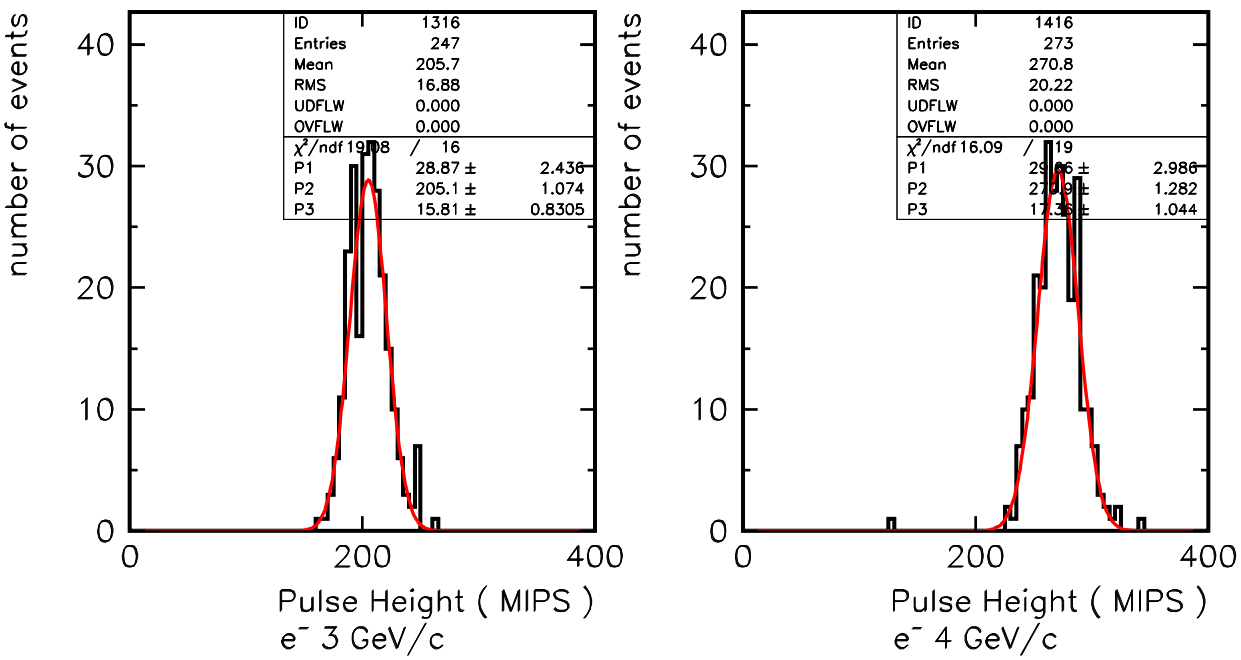


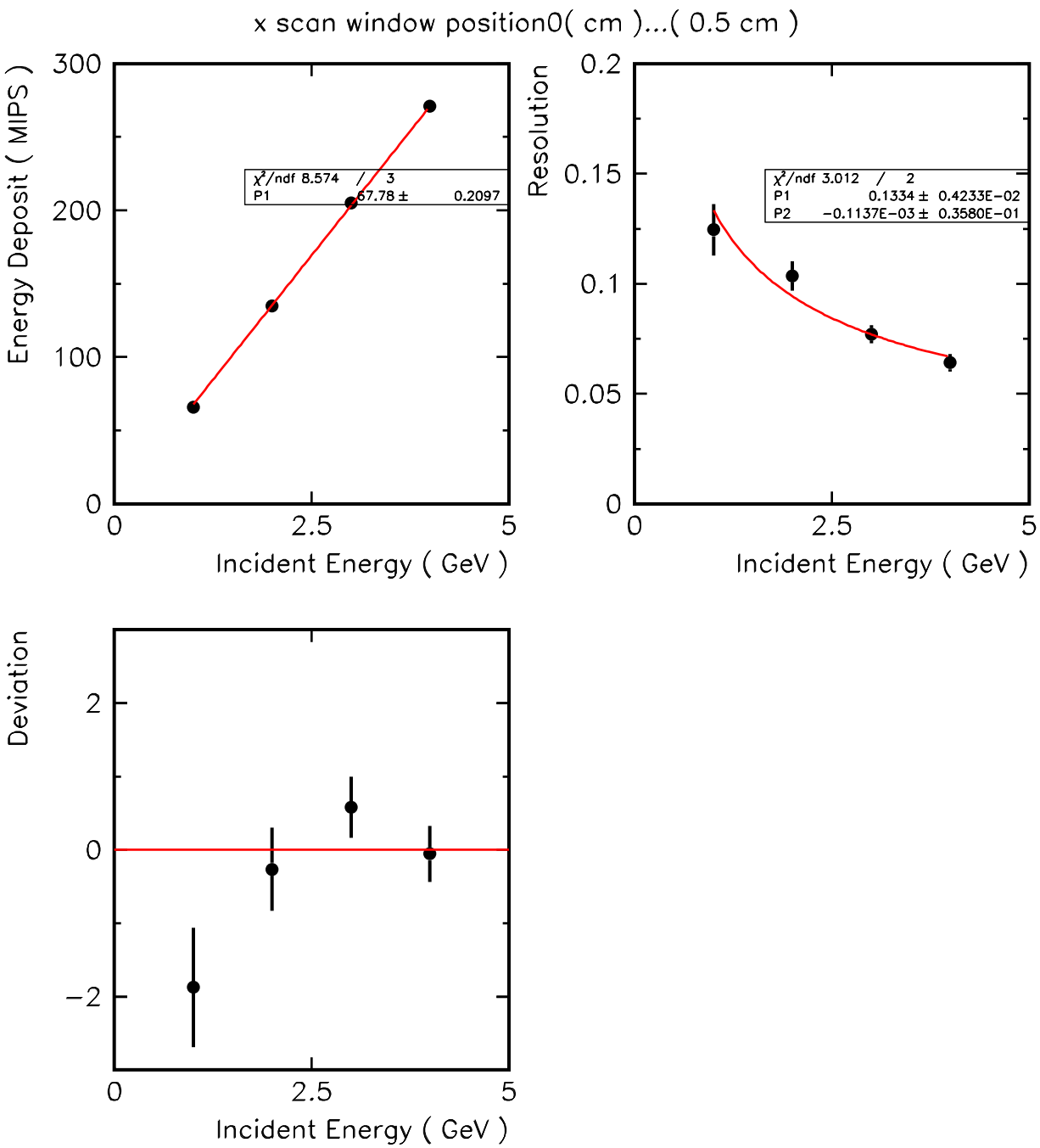




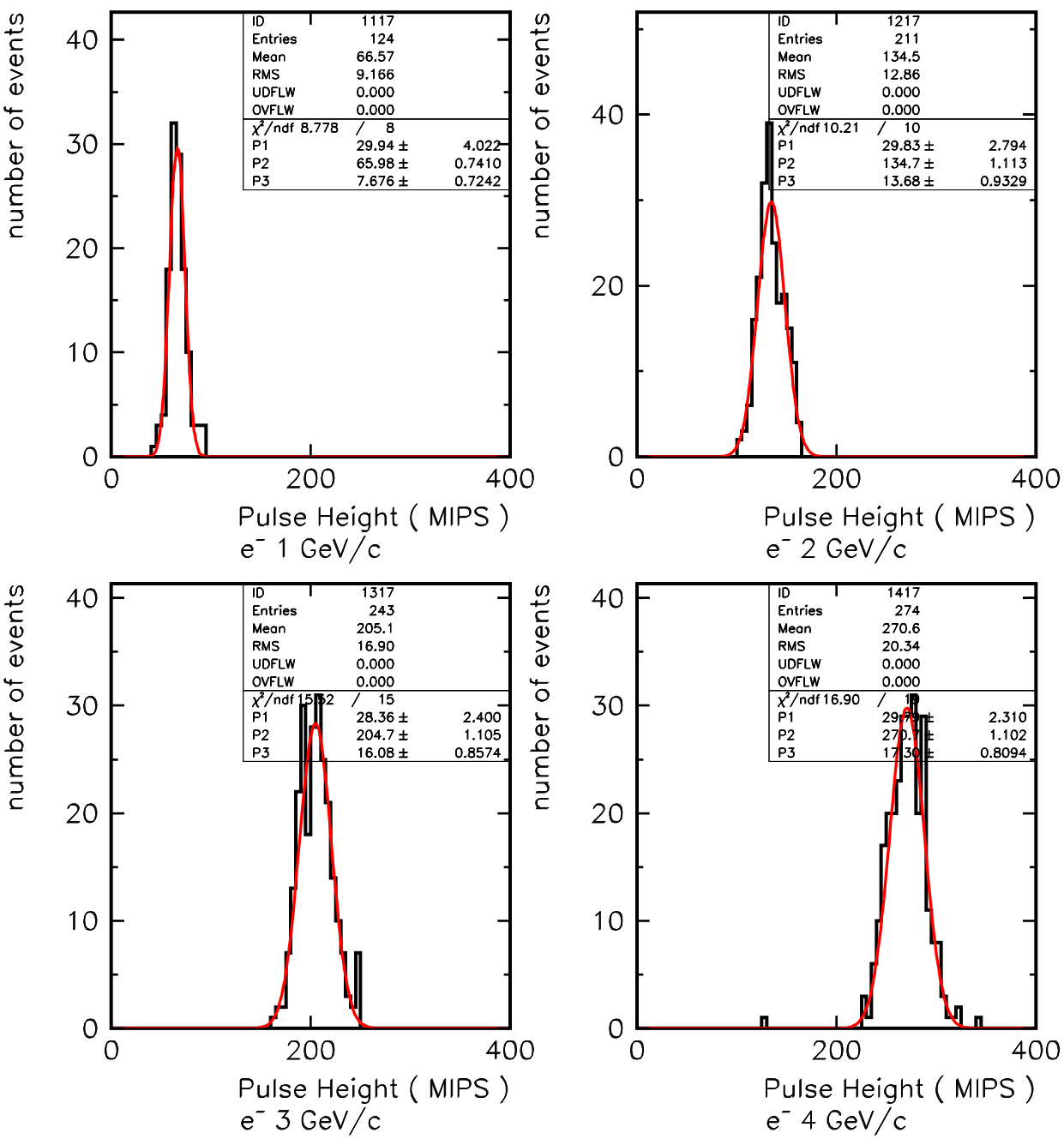
x scan window position0(cm)...(0.5 cm)



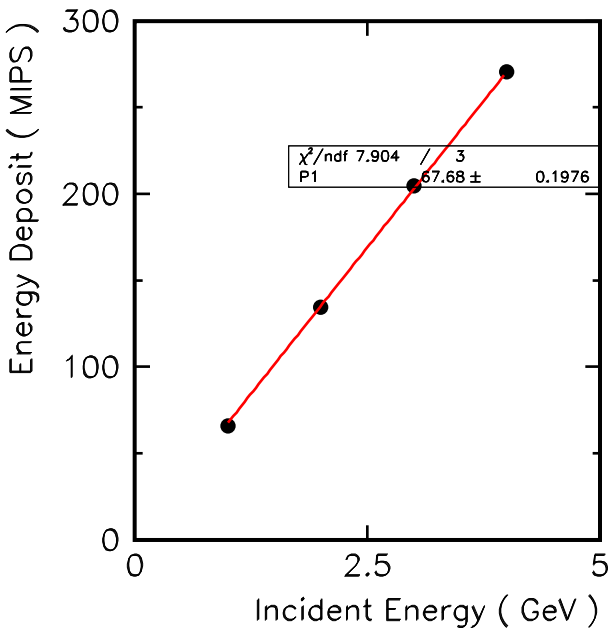


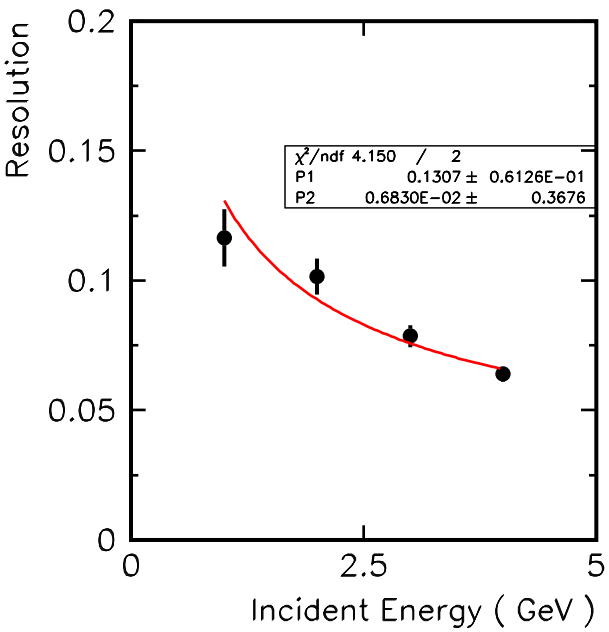

x scan window position0(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 8.574 / 3
P1 67.78 ± 0.2097
Resolution
0.2
0.15
0.1
0.05
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 3.012 / 2
P1 0.1334 ± 0.4233E-02
P2 -0.1137E-03 ± 0.3580E-01
Deviation
2
0
−2
0
2.5
5
Incident Energy (GeV)

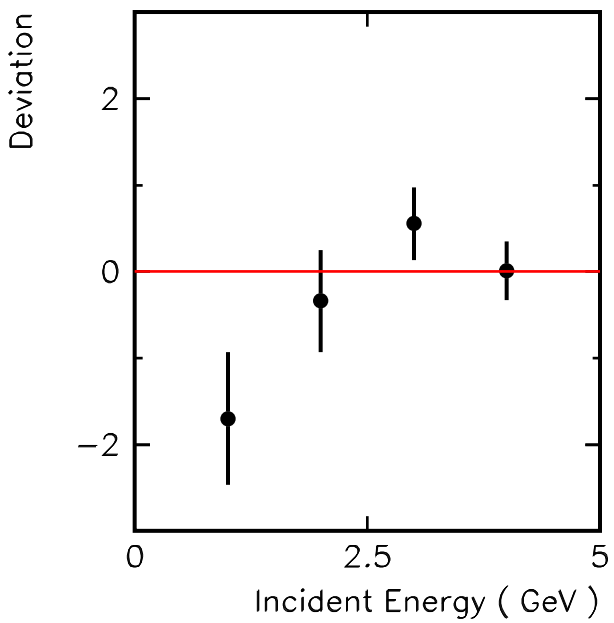
x scan window position0.1(cm)...(0.5 cm)



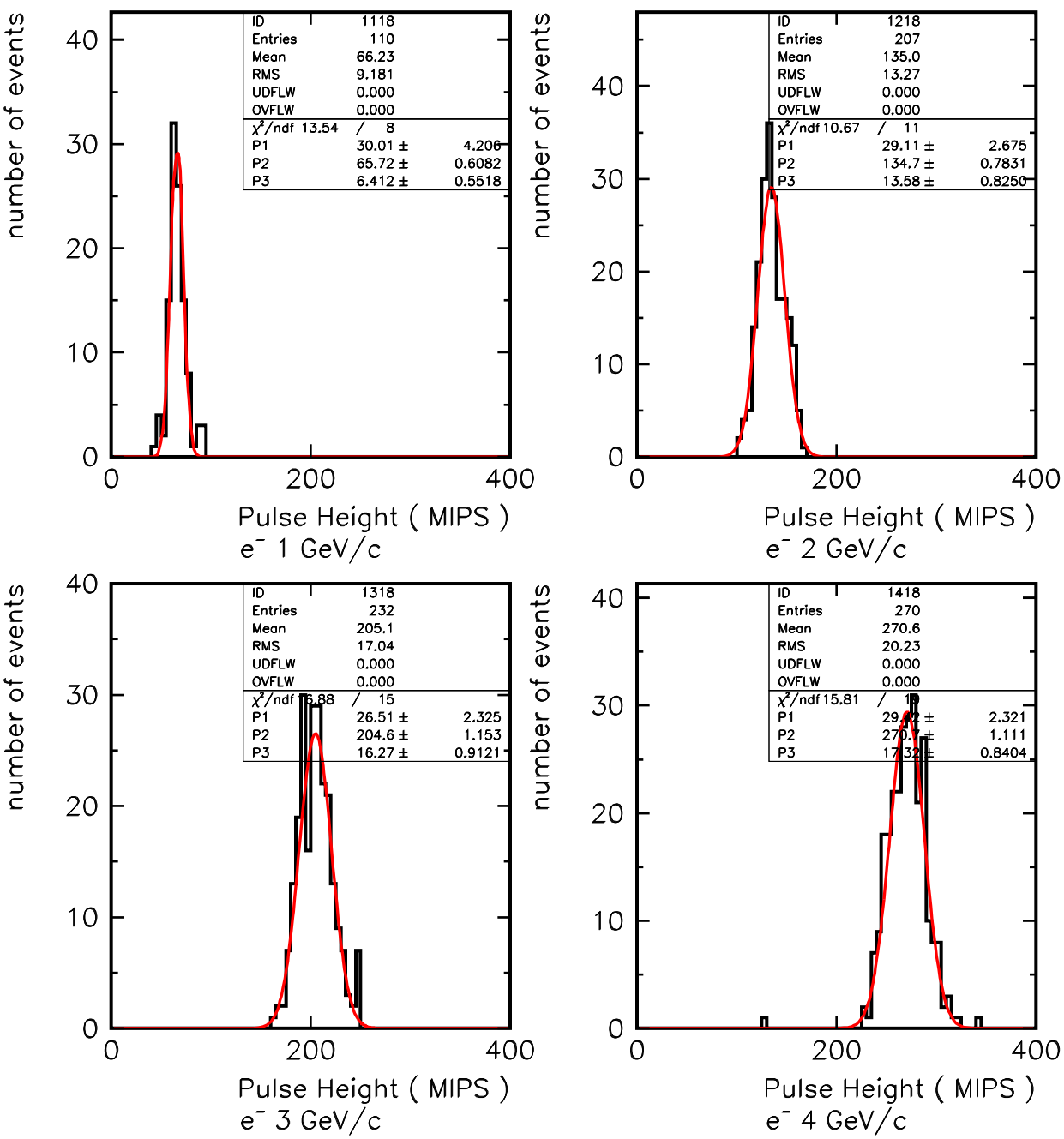
x scan window position0.1(cm)...(0.5 cm)



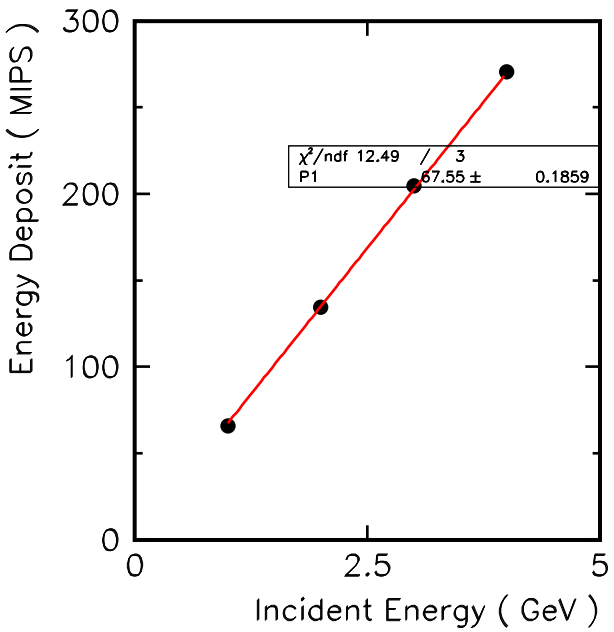


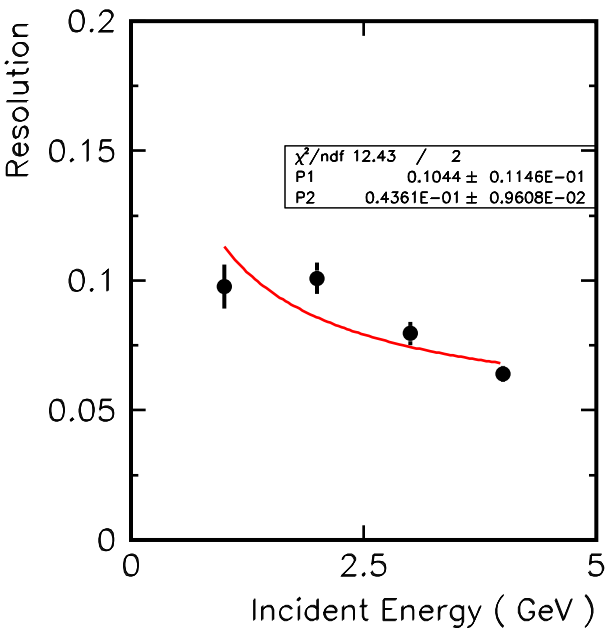


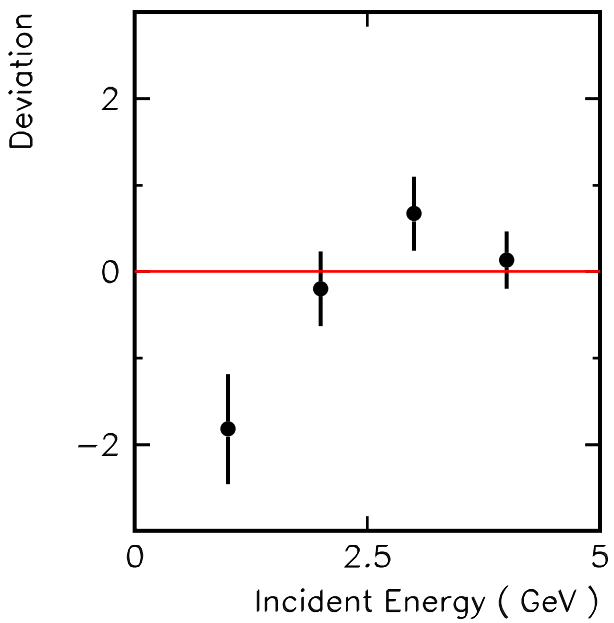
x scan window position0.2(cm)...(0.5 cm)



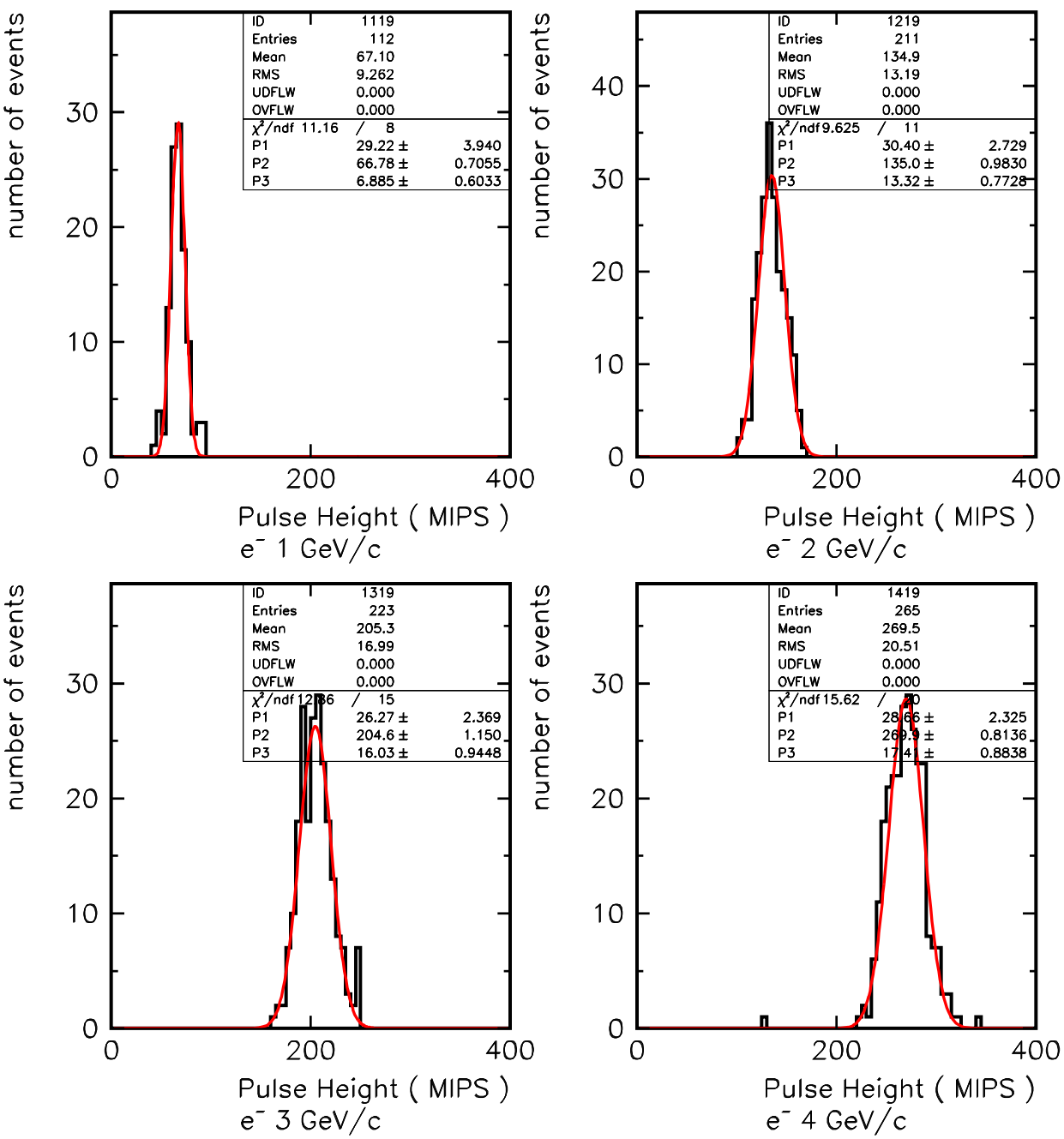
x scan window position0.2(cm)...(0.5 cm)



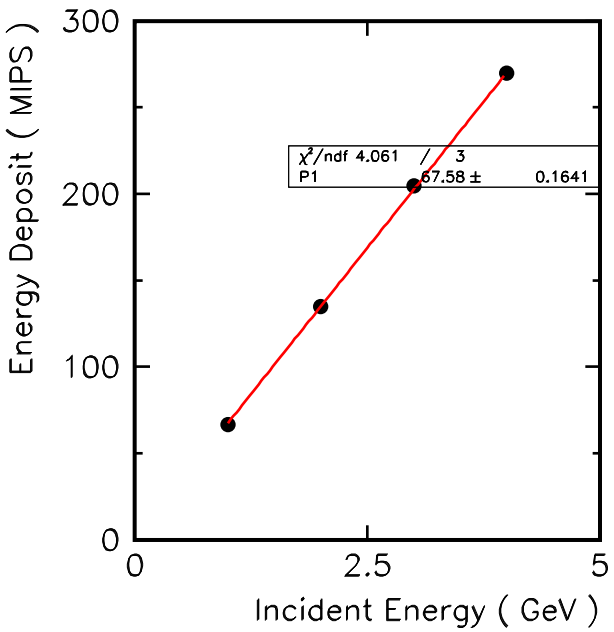


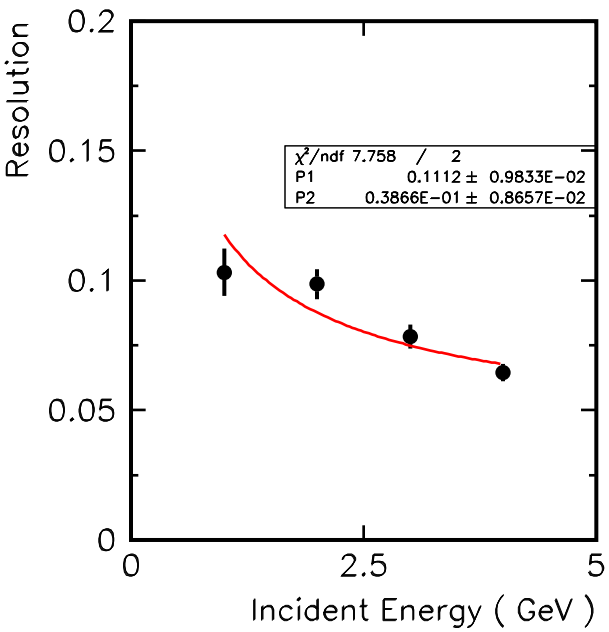


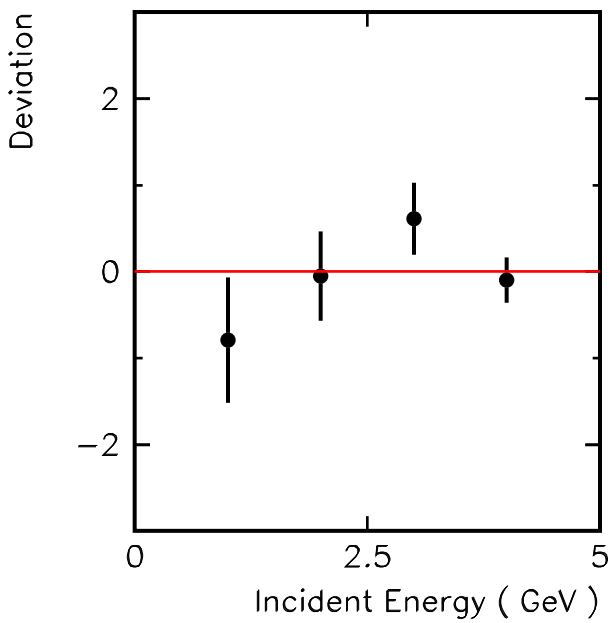
x scan window position0.3(cm)...(0.5 cm)



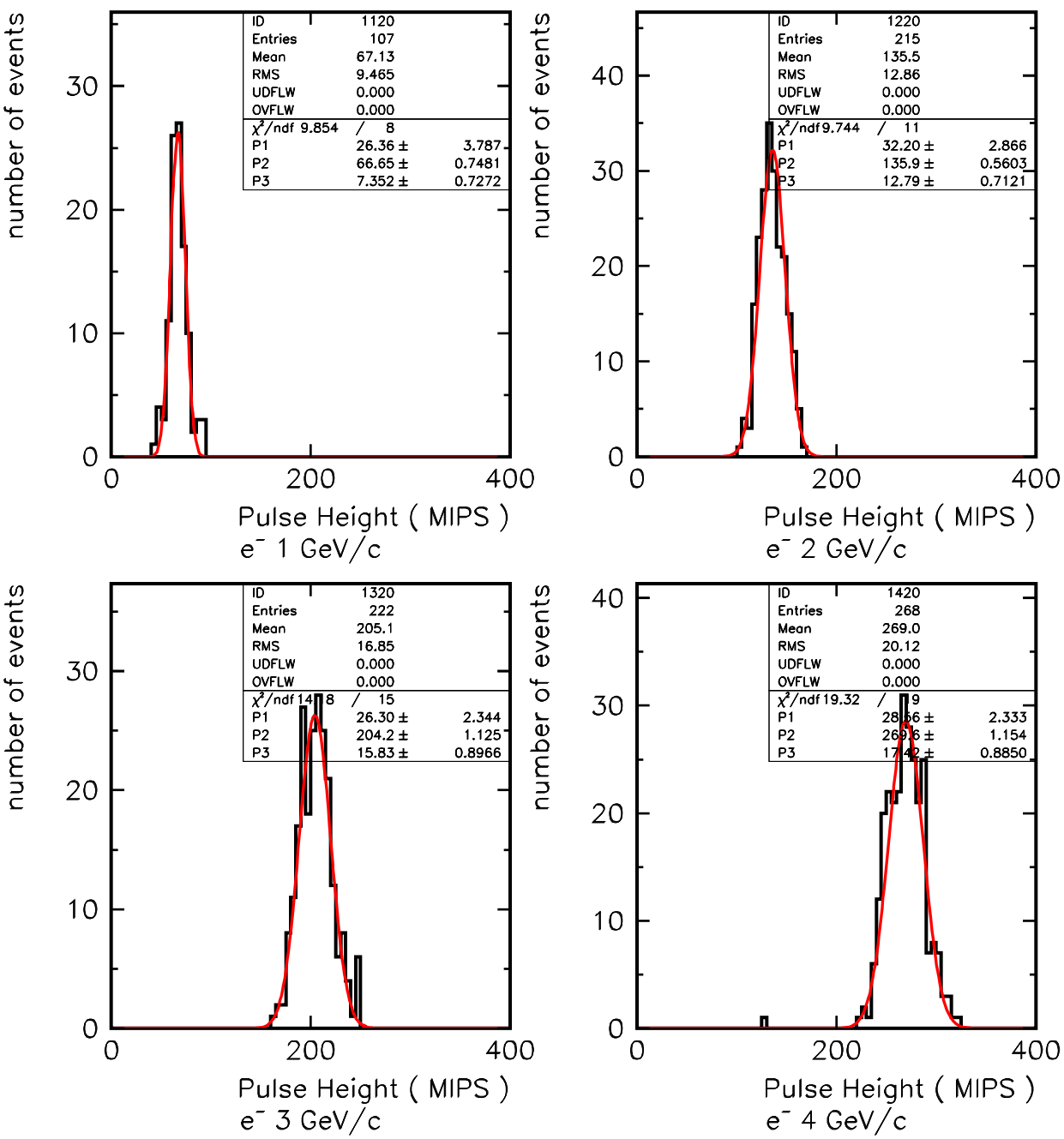
x scan window position0.3(cm)...(0.5 cm)

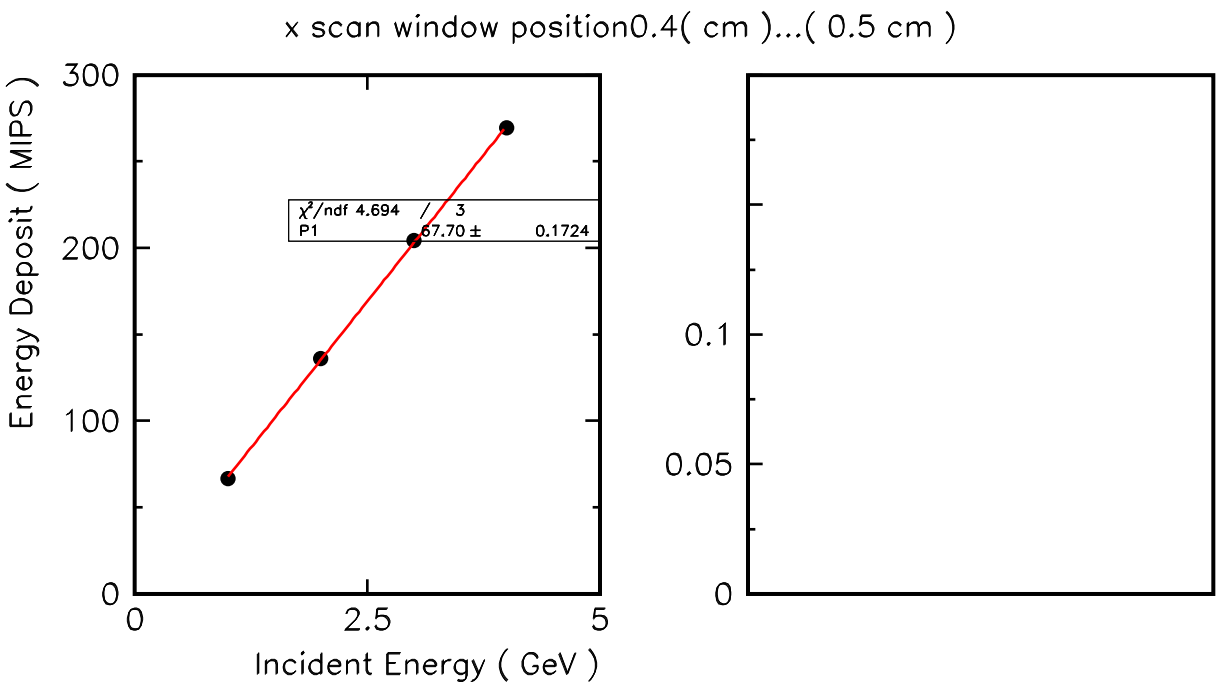






x scan window position0.4(cm)...(0.5 cm)




x scan window position0.4(cm)...(0.5 cm)
Energy Deposit (MIPS)
300
200
100
0
0
2.5
5
Incident Energy (GeV)
χ²/ndf 4.694 / 3
P1 67.70 ± 0.1724
0.1
0.05
0