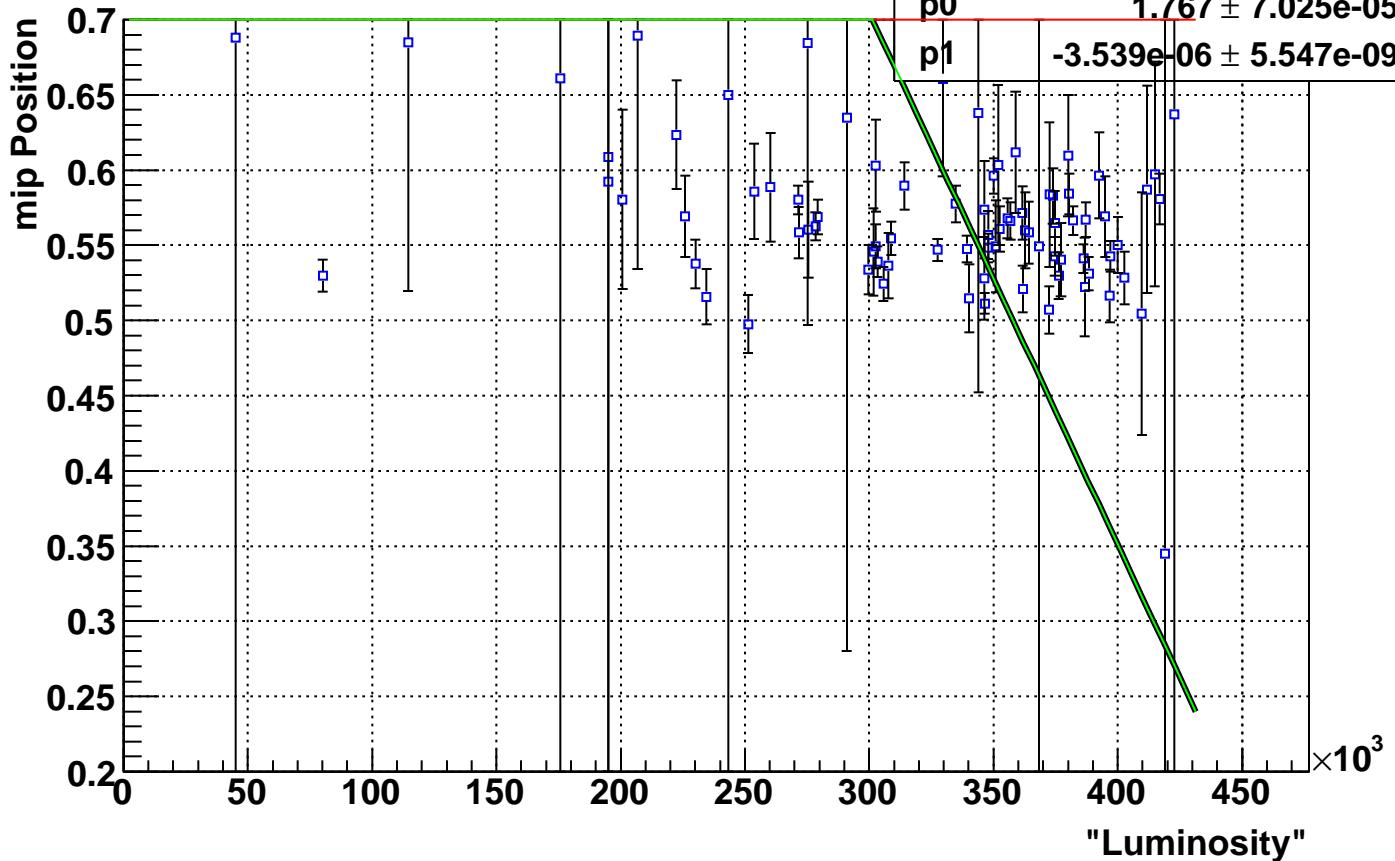
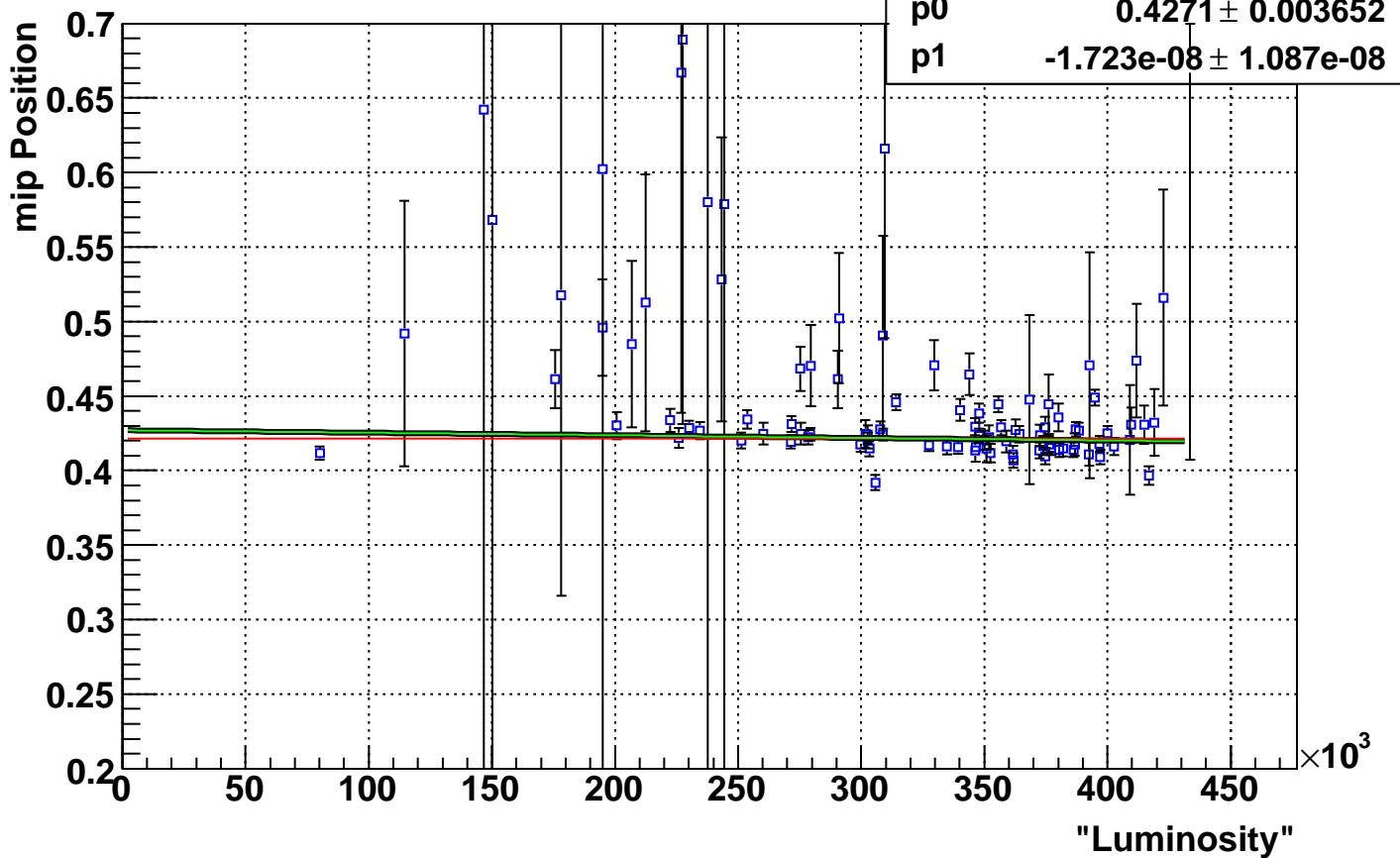


Eta Bin 1 mip Positons Vs. Luminosity

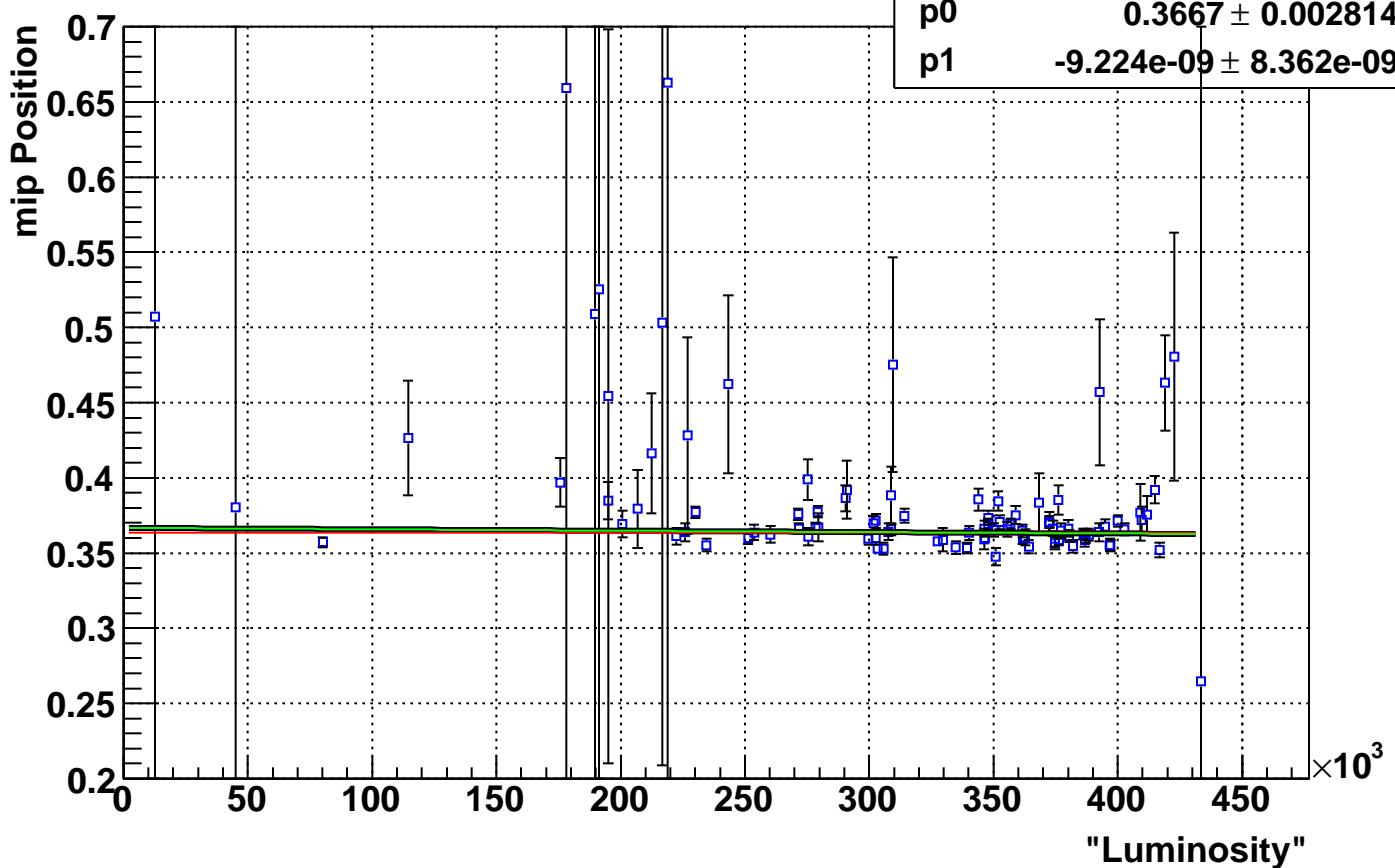
 χ^2 / ndf
 $1.52\text{e+04} / 108$
 p_0
 $1.767 \pm 7.025\text{e-05}$
 p_1
 $-3.539\text{e-06} \pm 5.547\text{e-09}$


Eta Bin 2 mip Positons Vs. Luminosity

 χ^2 / ndf
 $281.5 / 107$
 p_0
 0.4271 ± 0.003652
 p_1
 $-1.723\text{e-08} \pm 1.087\text{e-08}$


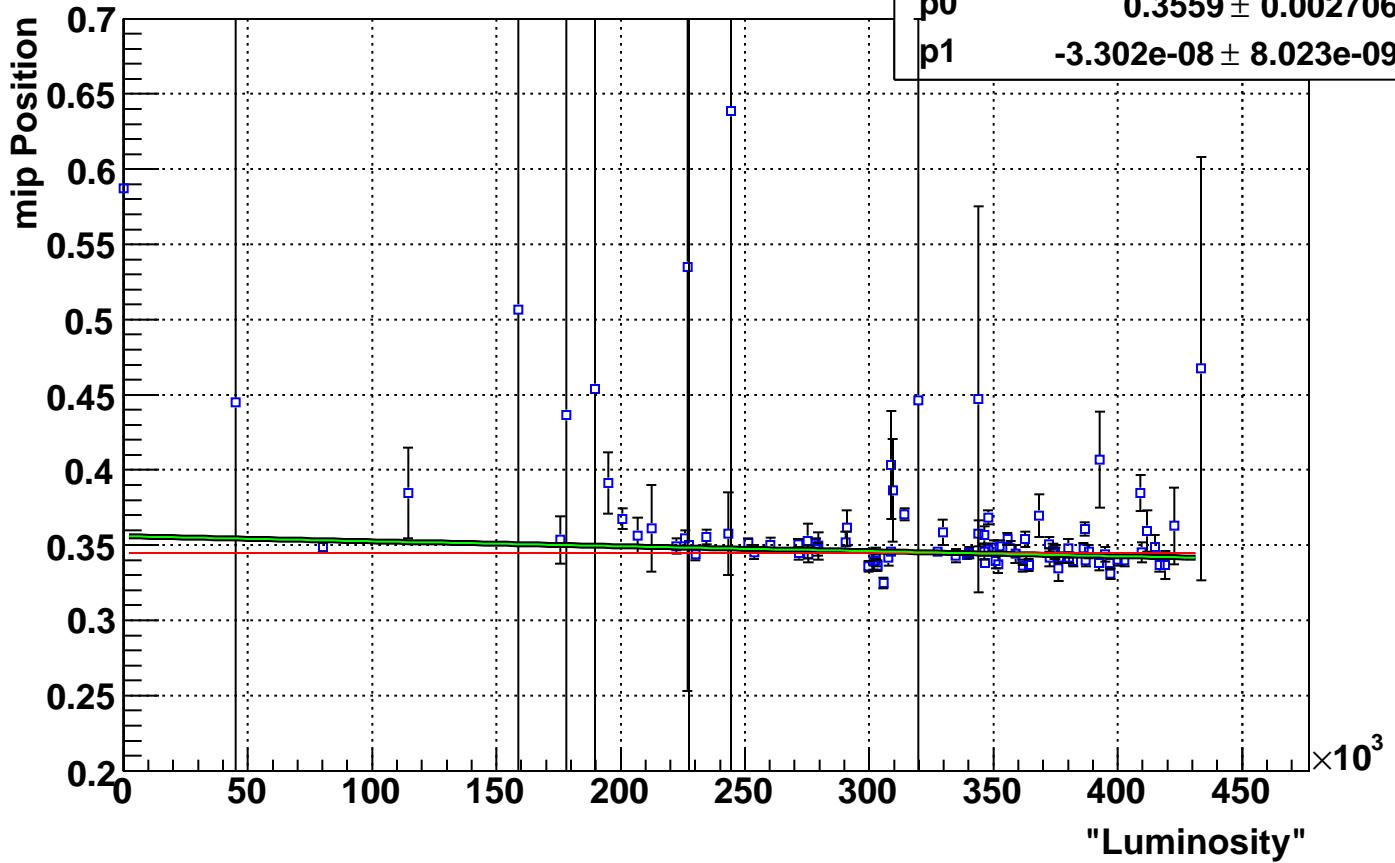
Eta Bin 3 mip Positons Vs. Luminosity

χ^2 / ndf 254.9 / 108
p0 0.3667 ± 0.002814
p1 $-9.224\text{e-}09 \pm 8.362\text{e-}09$



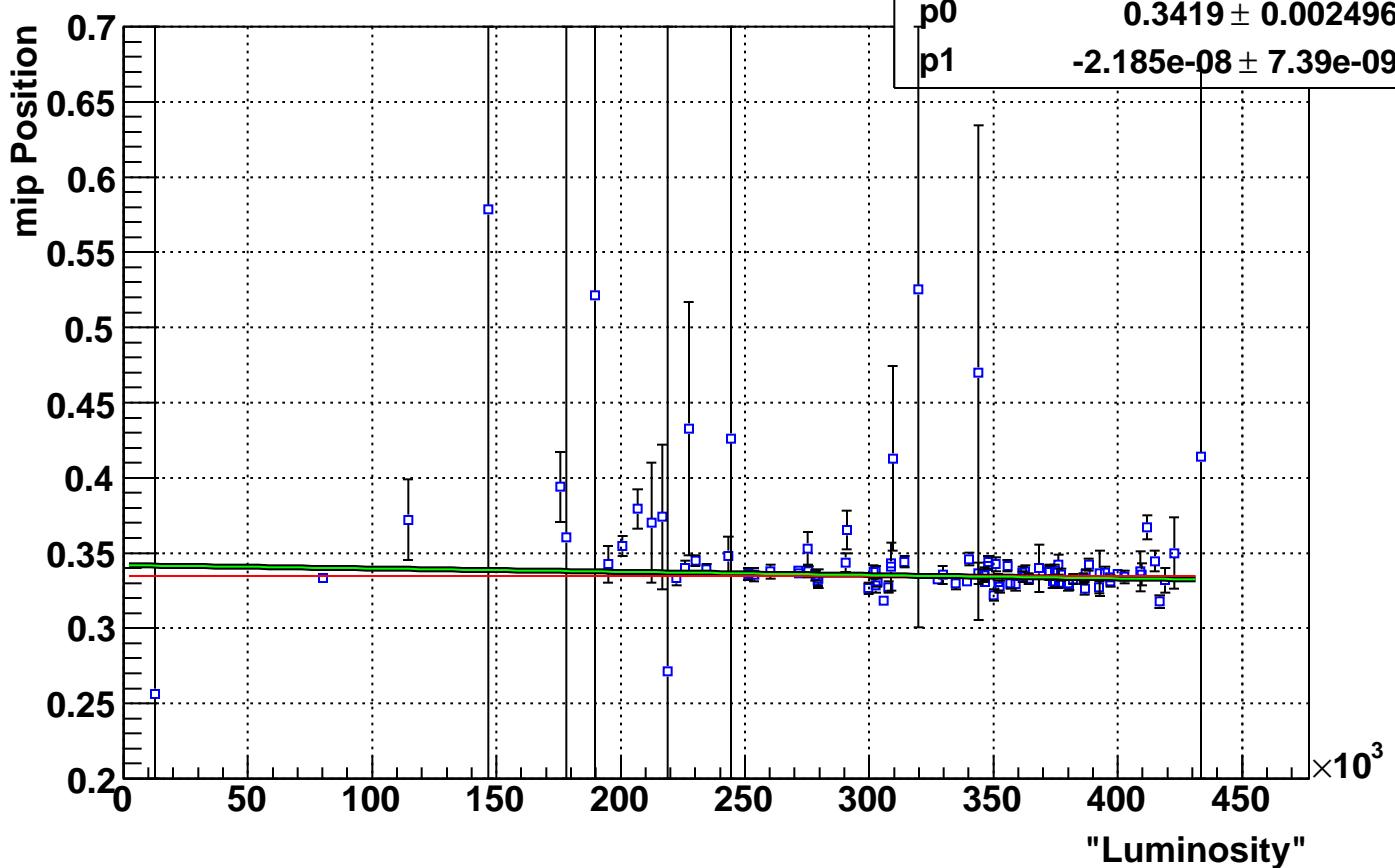
Eta Bin 4 mip Positons Vs. Luminosity

χ^2 / ndf 257.8 / 108
p0 0.3559 ± 0.002706
p1 $-3.302\text{e-}08 \pm 8.023\text{e-}09$



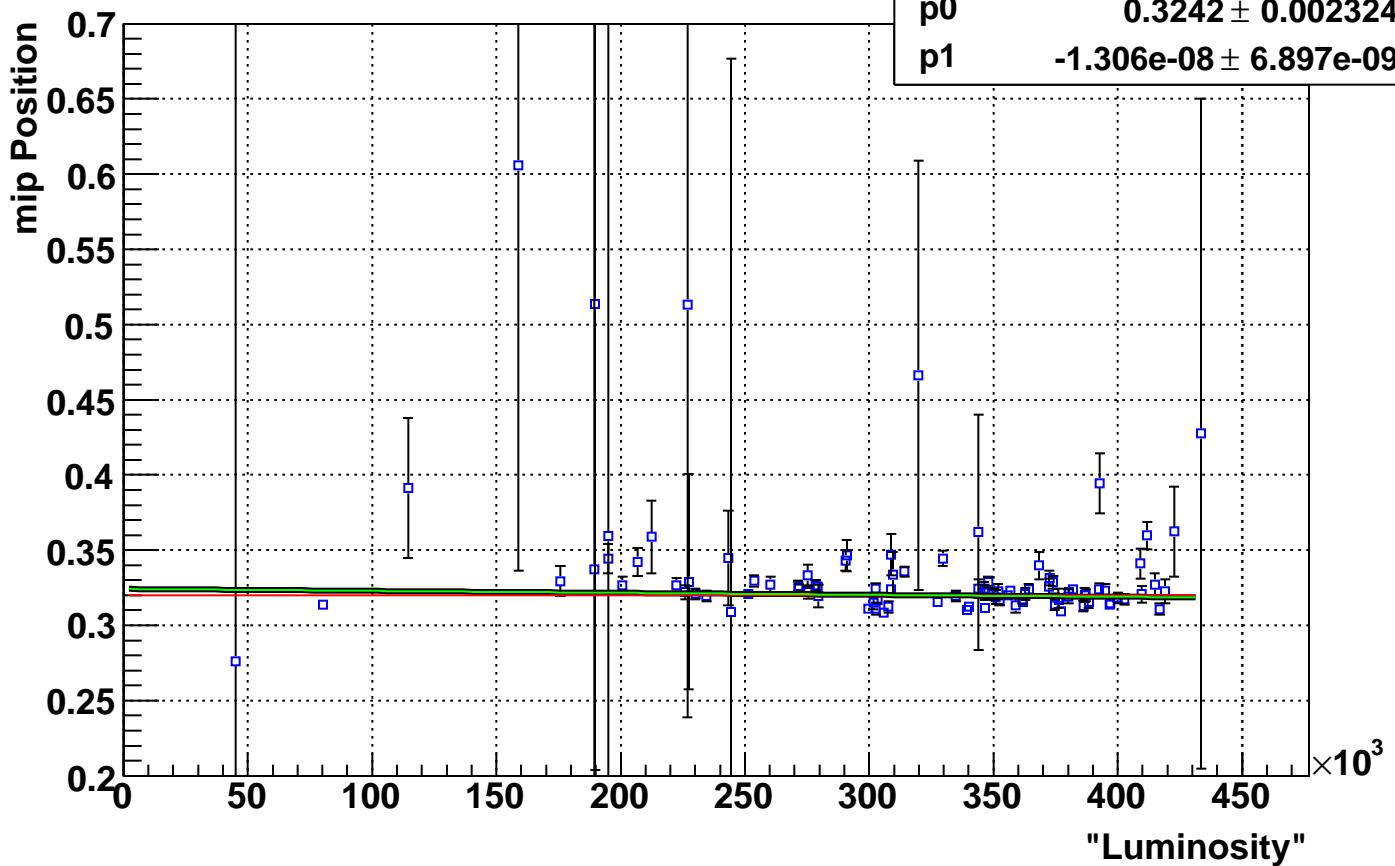
Eta Bin 5 mip Positons Vs. Luminosity

χ^2 / ndf 213 / 108
p0 0.3419 ± 0.002496
p1 $-2.185e-08 \pm 7.39e-09$



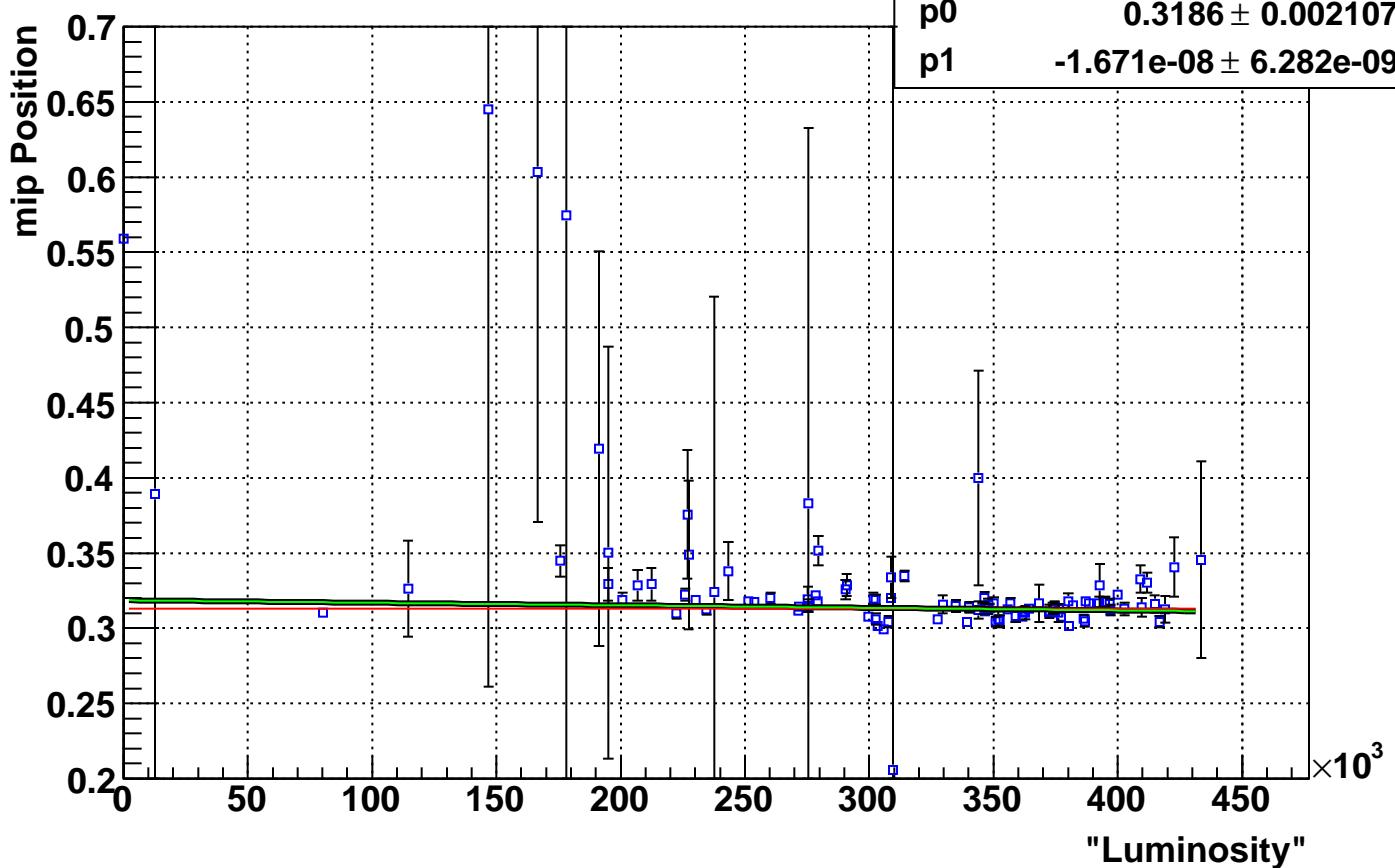
Eta Bin 6 mip Positons Vs. Luminosity

χ^2 / ndf 303.3 / 108
p0 0.3242 ± 0.002324
p1 $-1.306e-08 \pm 6.897e-09$



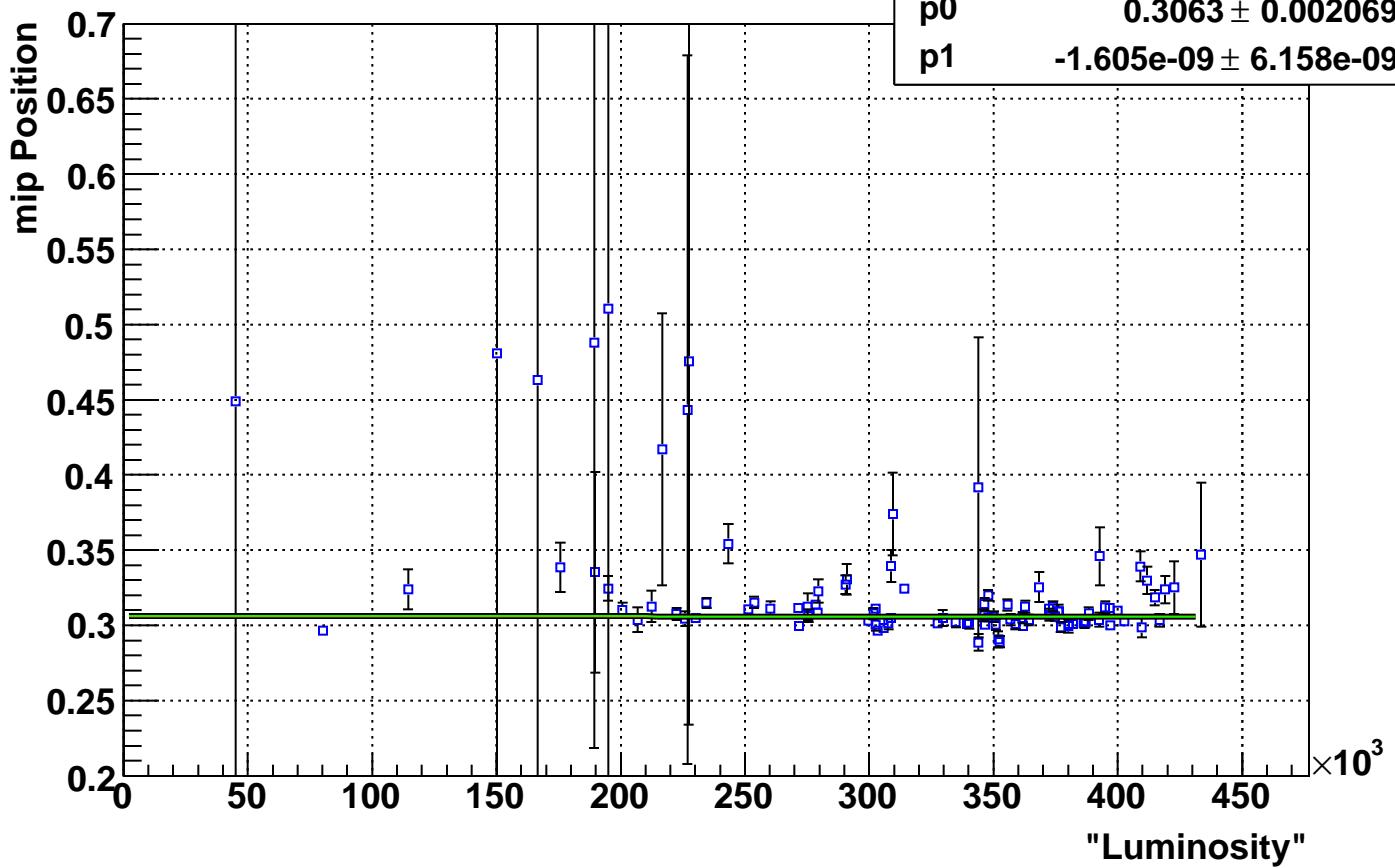
Eta Bin 7 mip Positons Vs. Luminosity

χ^2 / ndf 298.4 / 108
p0 0.3186 ± 0.002107
p1 $-1.671\text{e-}08 \pm 6.282\text{e-}09$



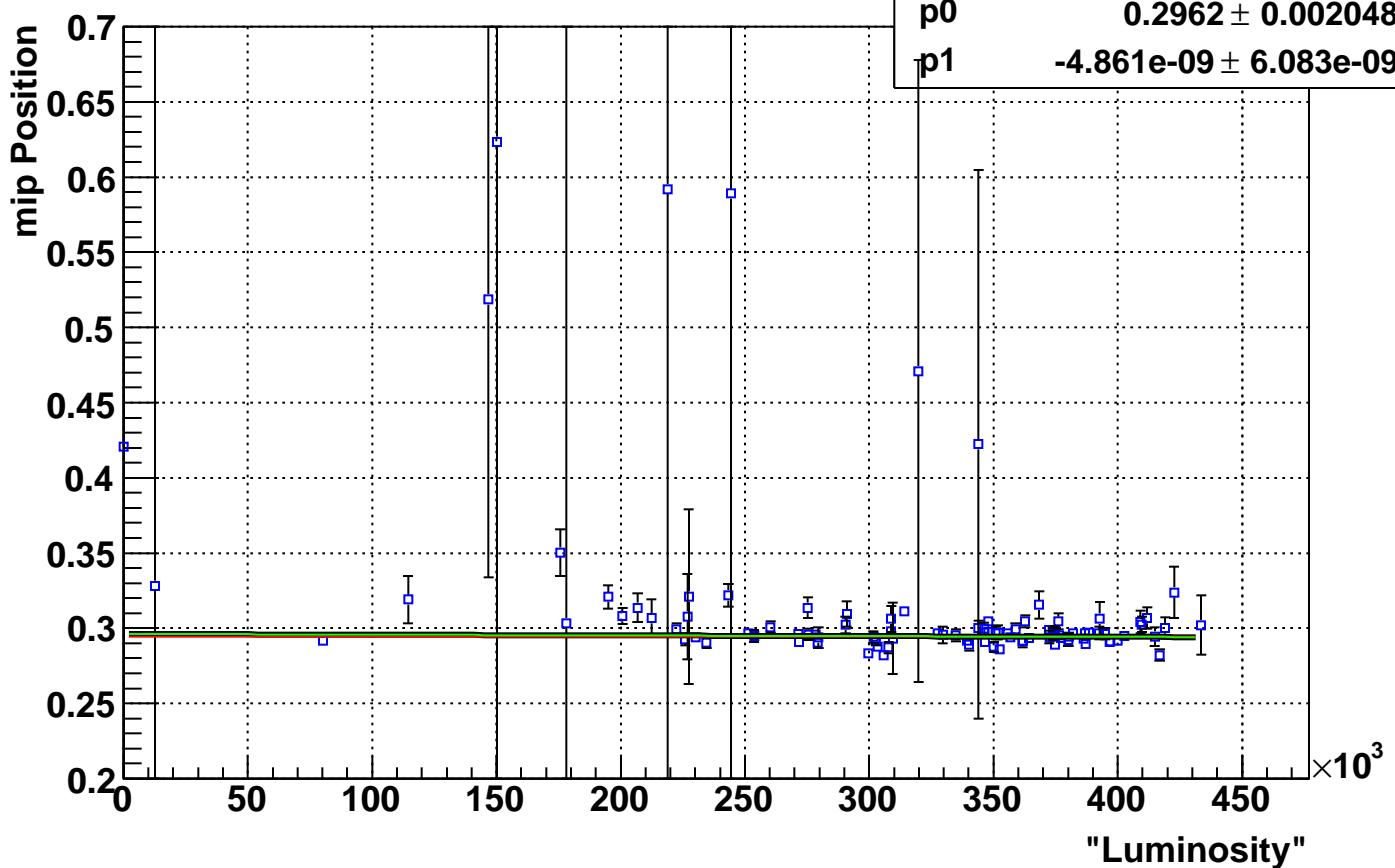
Eta Bin 8 mip Positons Vs. Luminosity

χ^2 / ndf 337.4 / 108
p0 0.3063 ± 0.002069
p1 $-1.605\text{e-}09 \pm 6.158\text{e-}09$



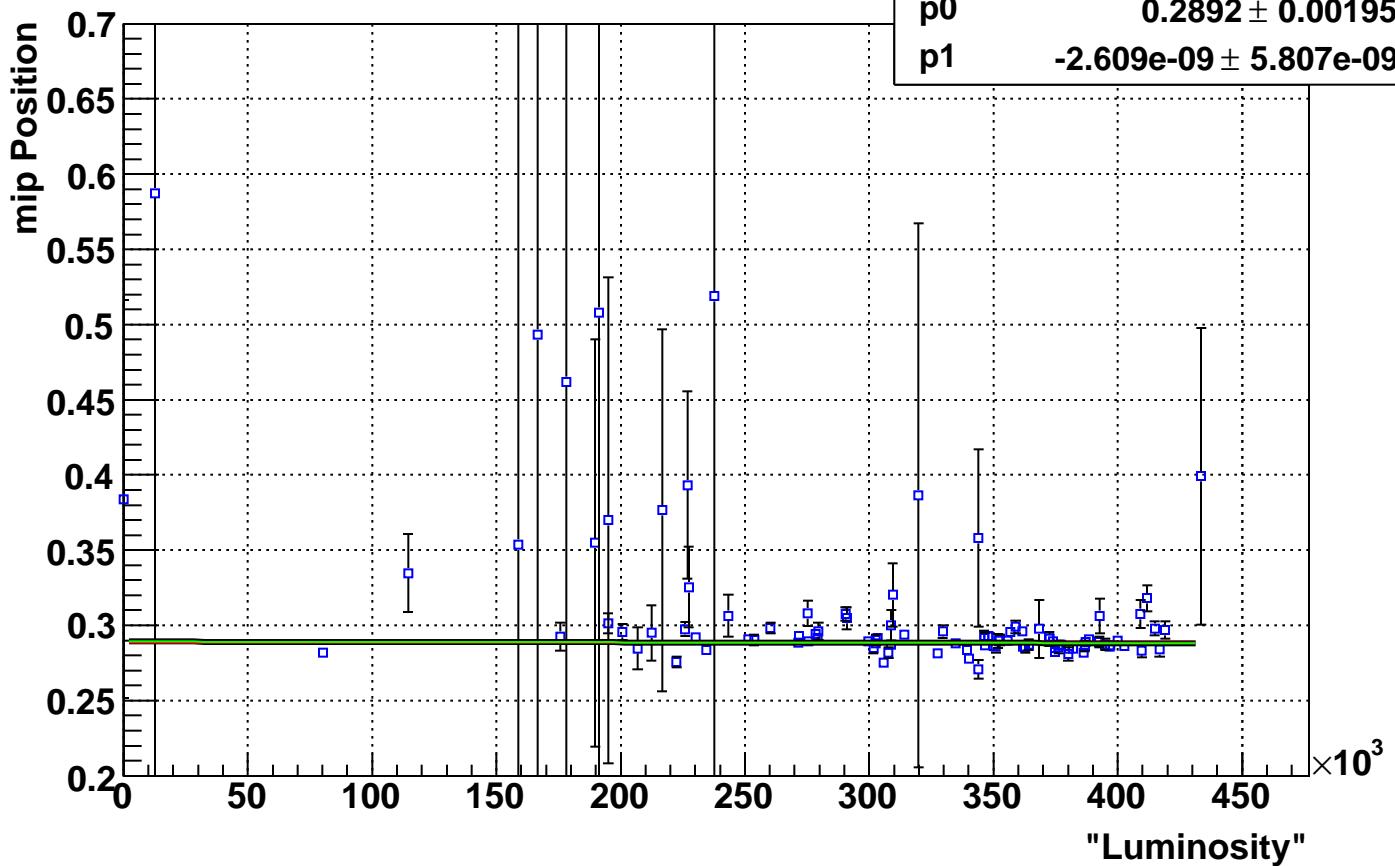
Eta Bin 9 mip Positons Vs. Luminosity

χ^2 / ndf 247.3 / 108
p0 0.2962 ± 0.002048
p1 $-4.861\text{e-}09 \pm 6.083\text{e-}09$



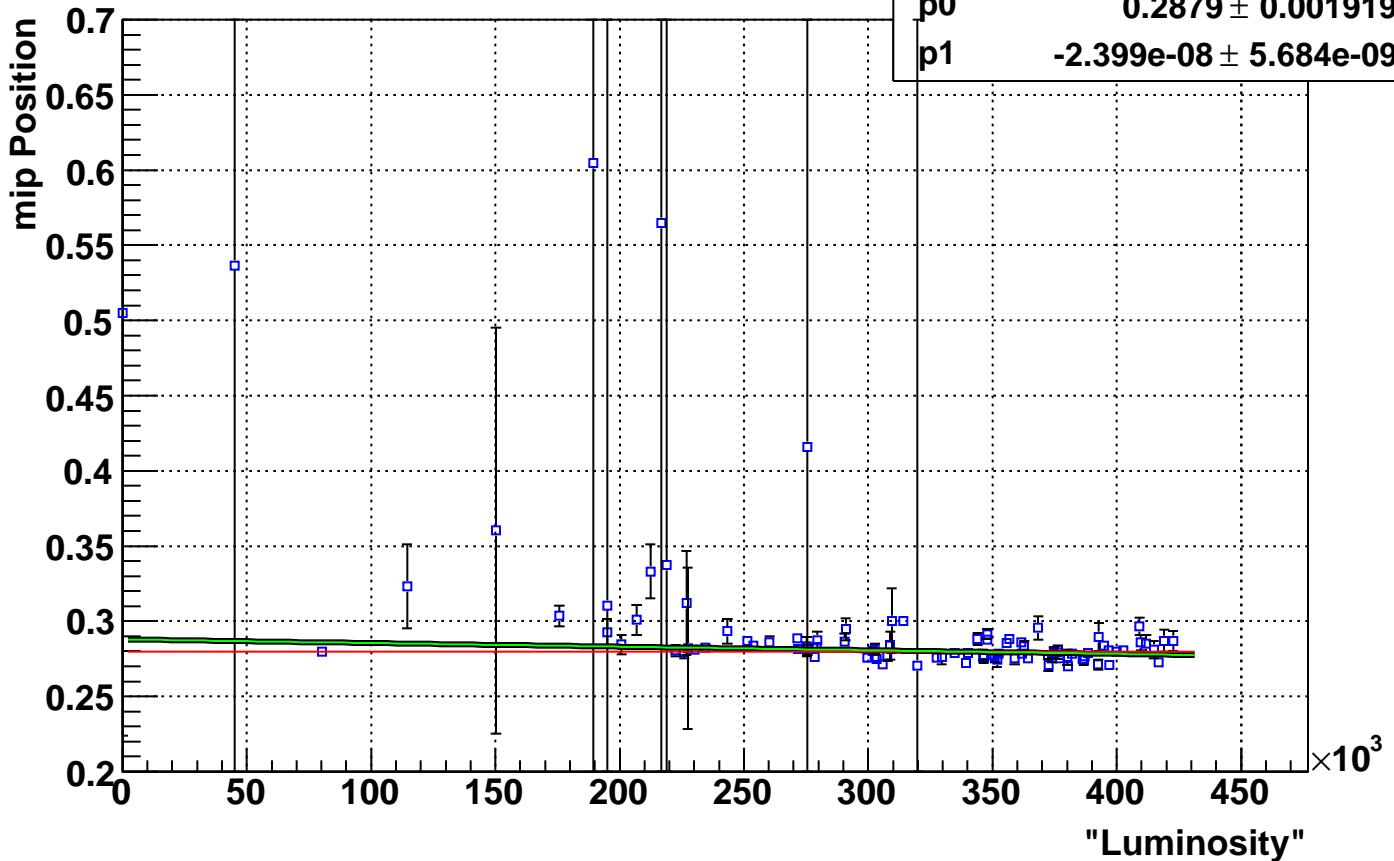
Eta Bin 10 mip Positons Vs. Luminosity

χ^2 / ndf 260.6 / 108
p0 0.2892 ± 0.00195
p1 $-2.609\text{e-}09 \pm 5.807\text{e-}09$



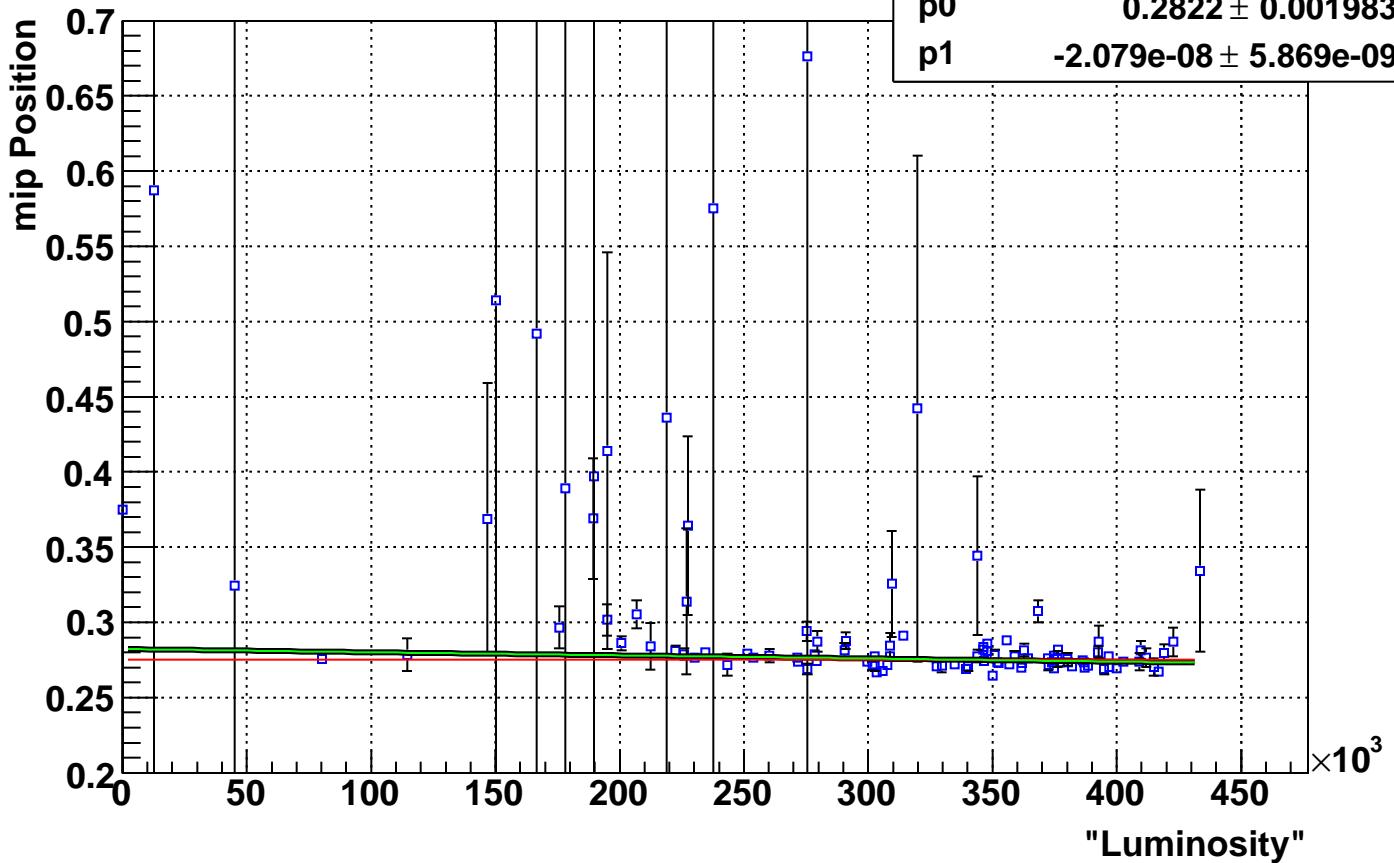
Eta Bin 11 mip Positons Vs. Luminosity

χ^2 / ndf 274.5 / 107
p0 0.2879 ± 0.001919
p1 $-2.399\text{e-}08 \pm 5.684\text{e-}09$



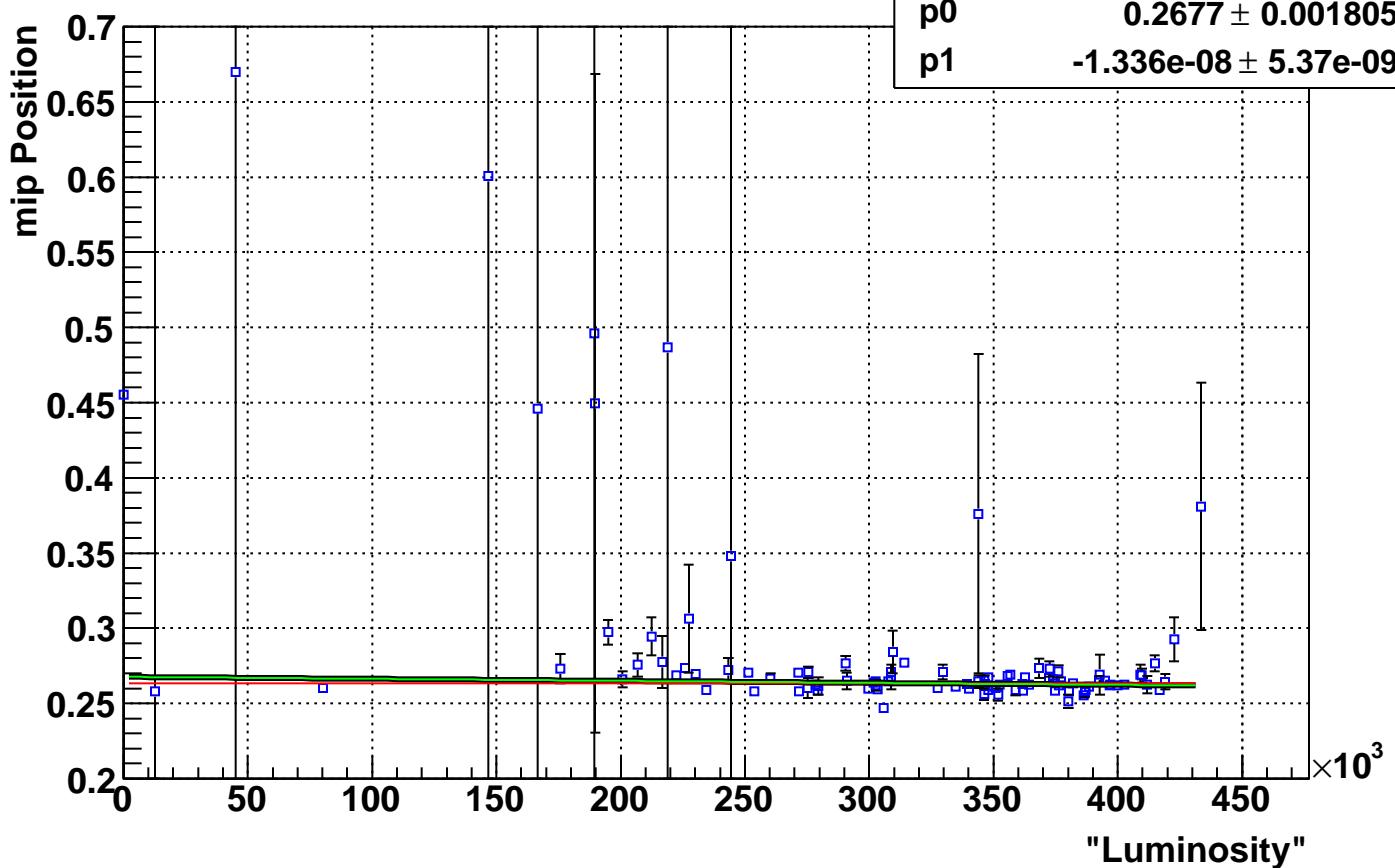
Eta Bin 12 mip Positons Vs. Luminosity

χ^2 / ndf 274.1 / 108
p0 0.2822 ± 0.001983
p1 $-2.079\text{e-}08 \pm 5.869\text{e-}09$



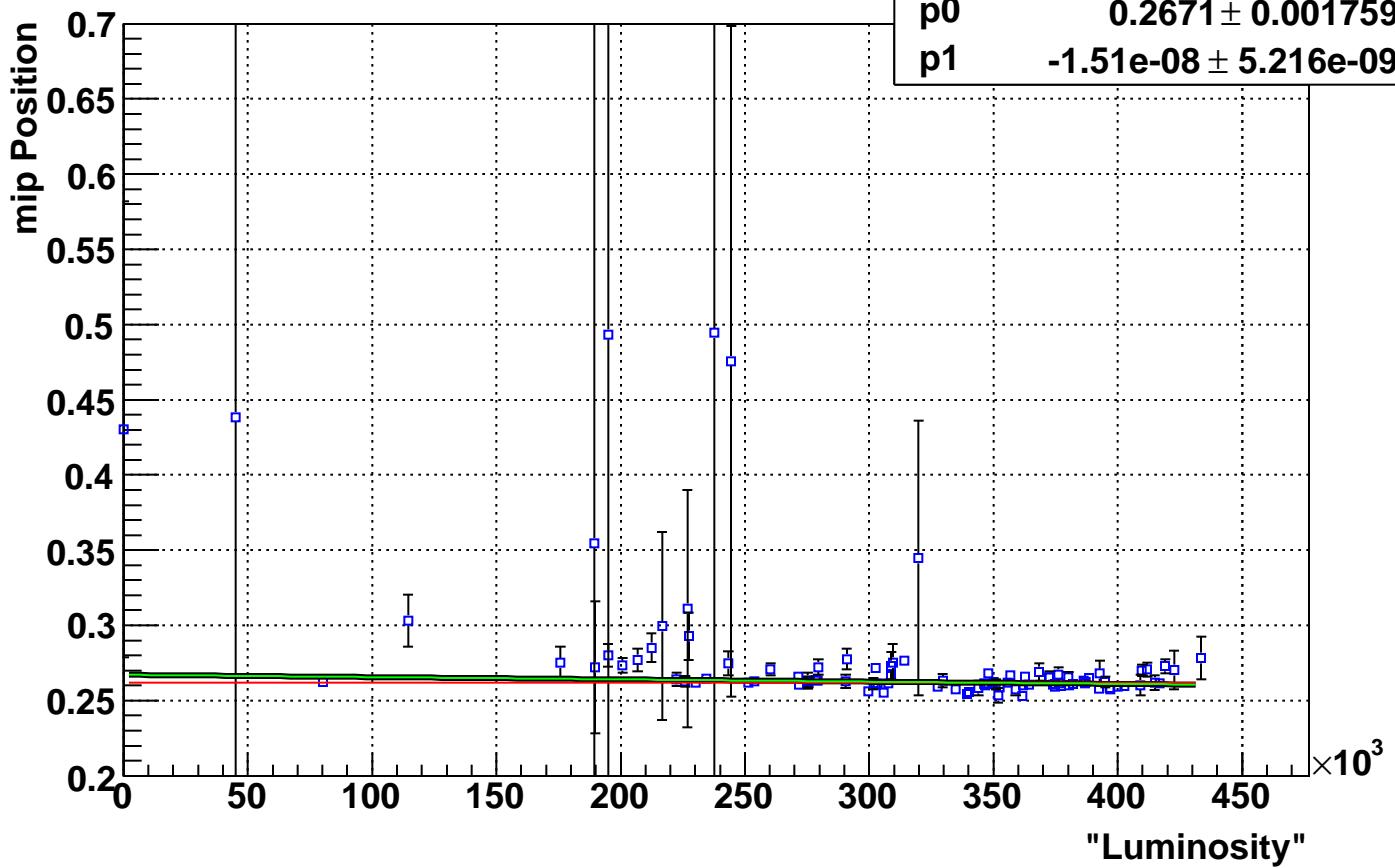
Eta Bin 13 mip Positons Vs. Luminosity

χ^2 / ndf 273.6 / 108
p0 0.2677 ± 0.001805
p1 $-1.336e-08 \pm 5.37e-09$



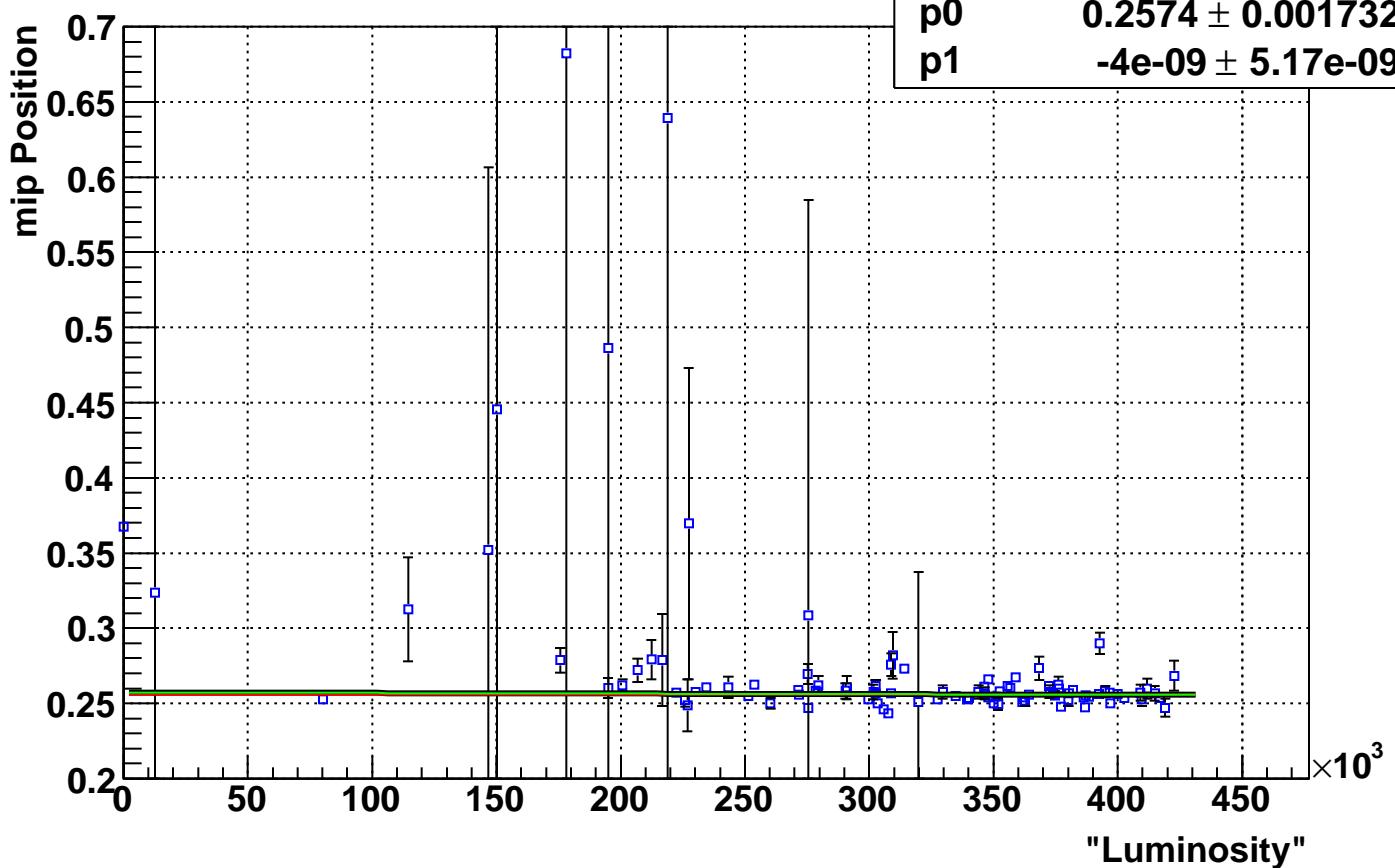
Eta Bin 14 mip Positons Vs. Luminosity

χ^2 / ndf 188.5 / 107
p0 0.2671 ± 0.001759
p1 $-1.51e-08 \pm 5.216e-09$



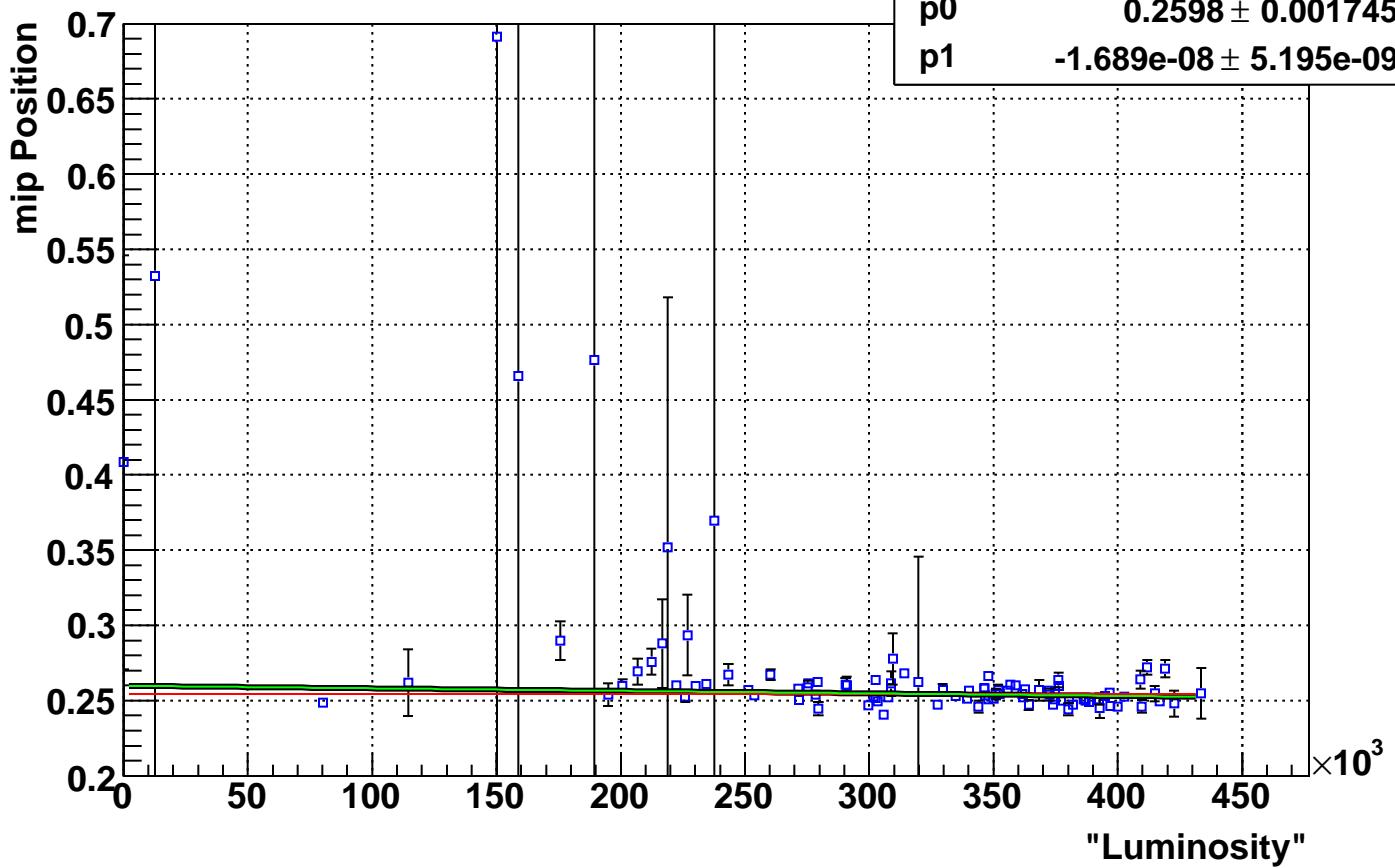
Eta Bin 15 mip Positons Vs. Luminosity

χ^2 / ndf 277.2 / 108
p0 0.2574 ± 0.001732
p1 $-4e-09 \pm 5.17e-09$



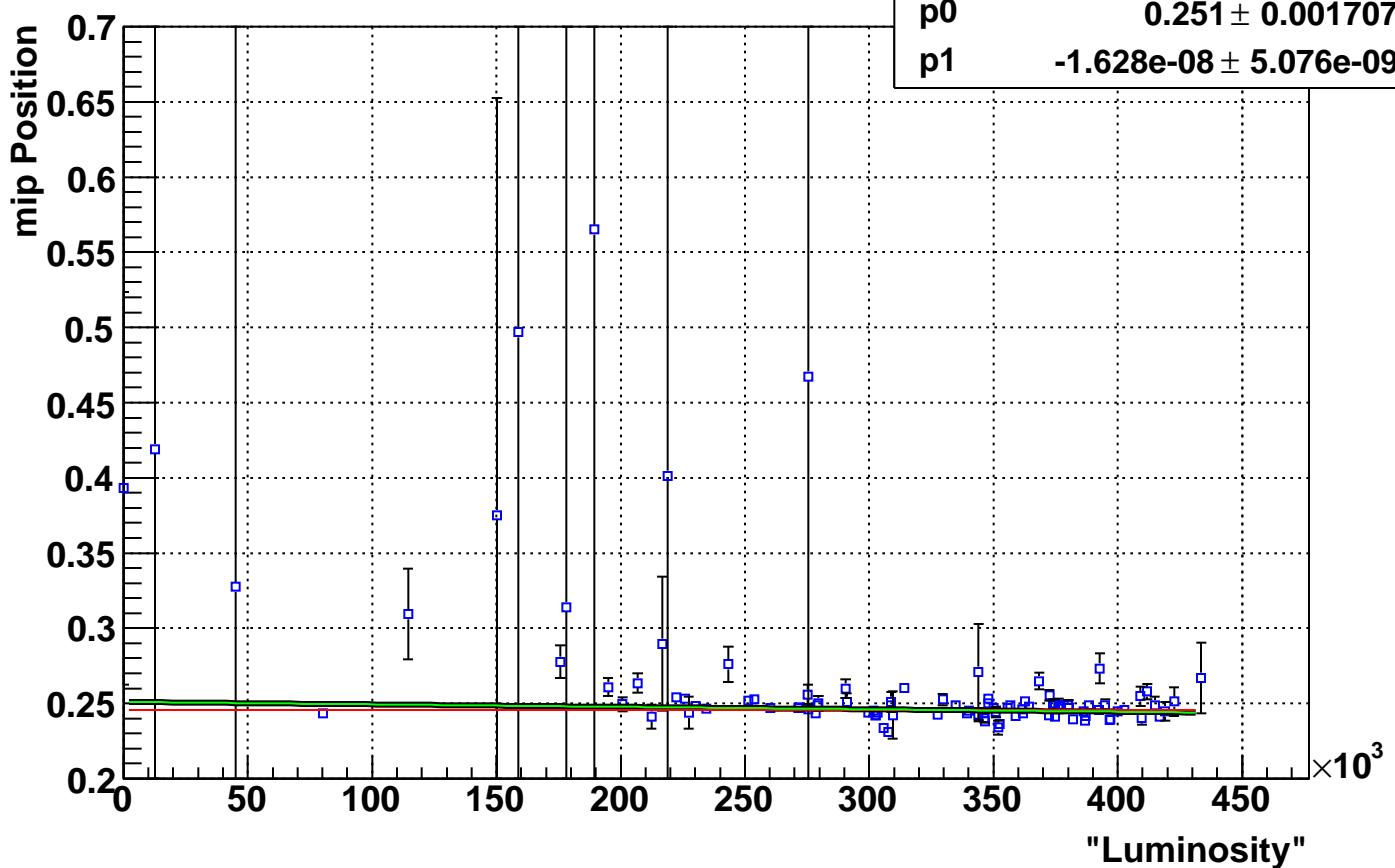
Eta Bin 16 mip Positons Vs. Luminosity

χ^2 / ndf 346.6 / 108
p0 0.2598 ± 0.001745
p1 $-1.689e-08 \pm 5.195e-09$



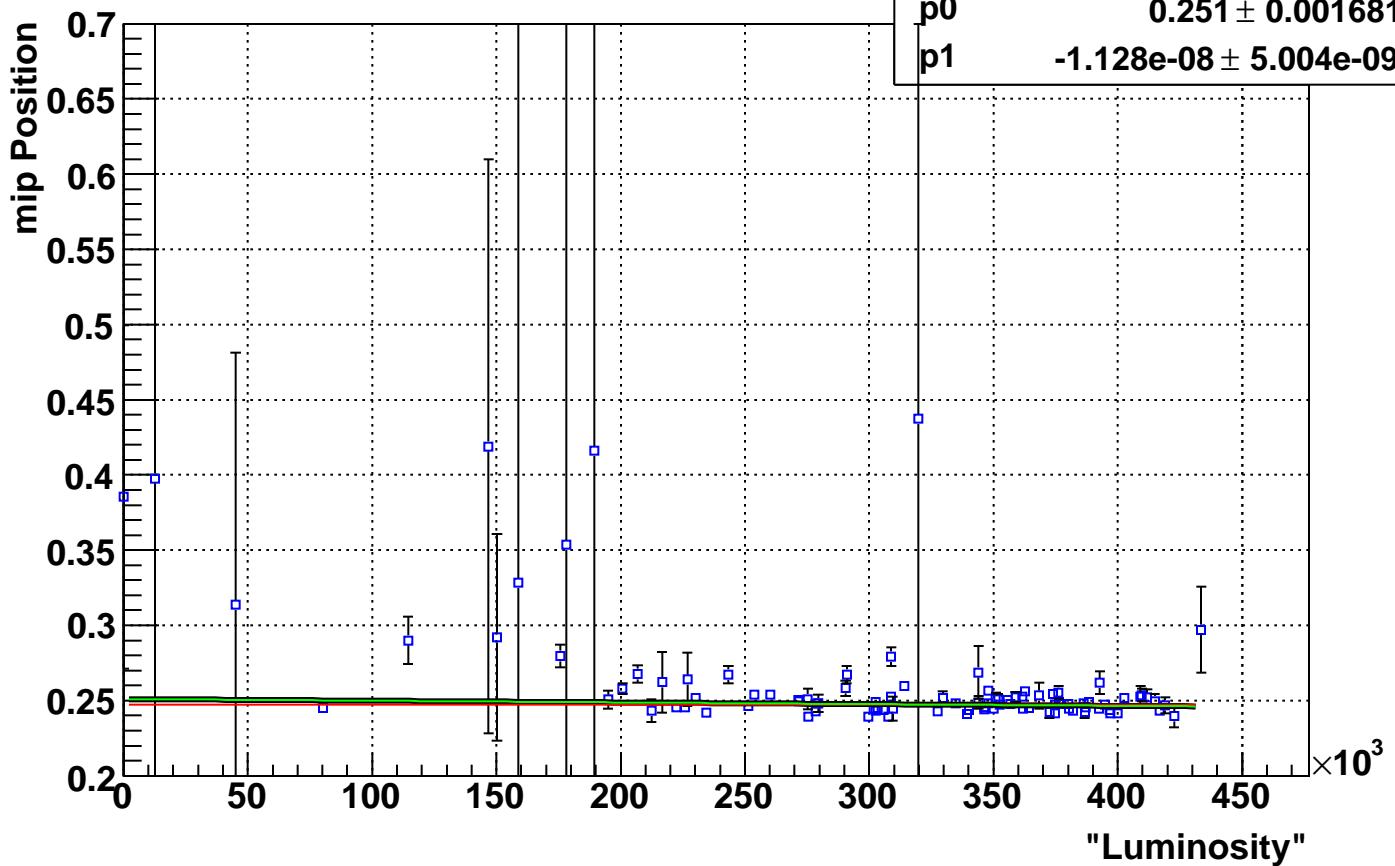
Eta Bin 17 mip Positons Vs. Luminosity

χ^2 / ndf 334.7 / 108
p0 0.251 ± 0.001707
p1 $-1.628e-08 \pm 5.076e-09$



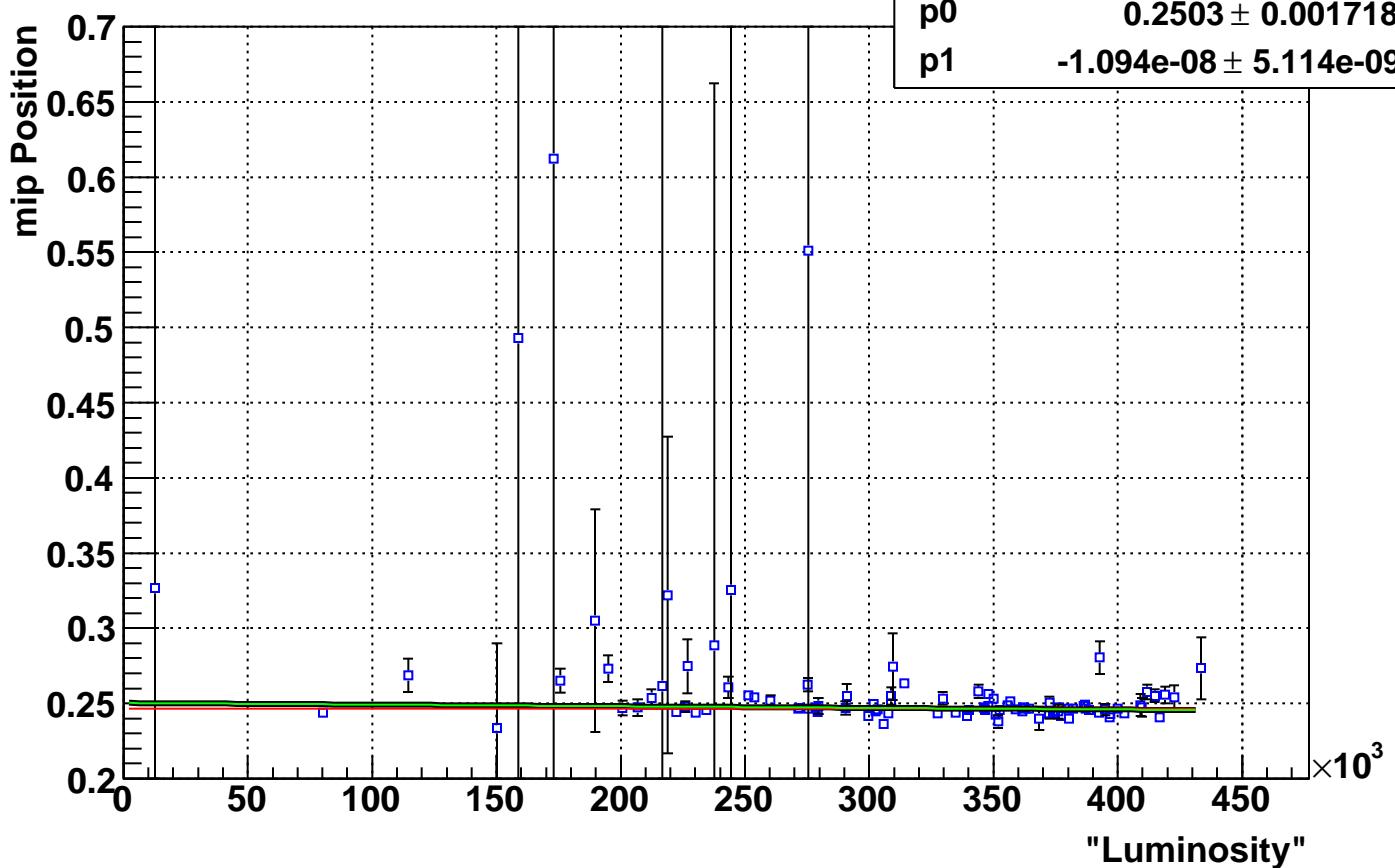
Eta Bin 18 mip Positons Vs. Luminosity

χ^2 / ndf 301.8 / 108
p0 0.251 ± 0.001681
p1 $-1.128e-08 \pm 5.004e-09$



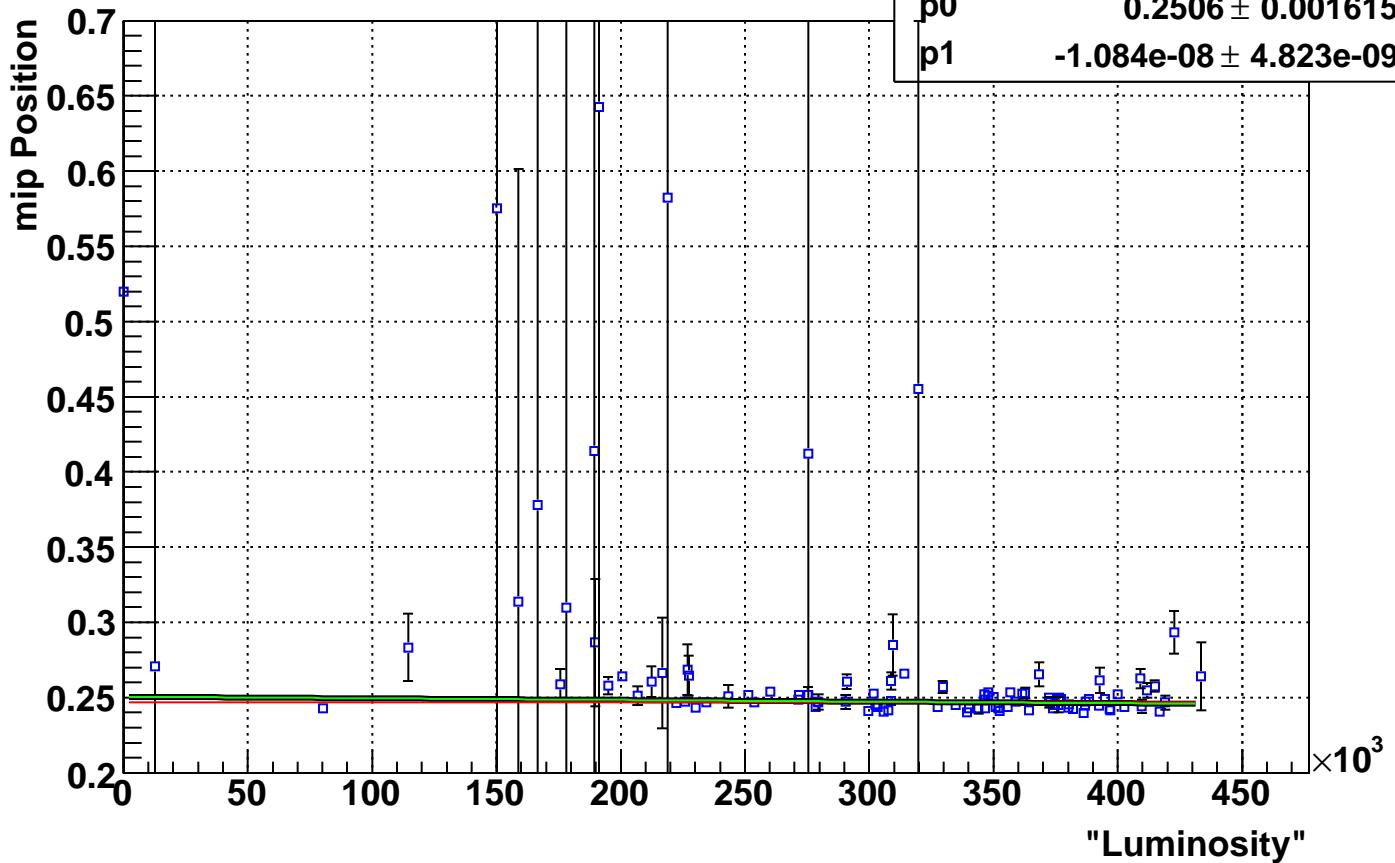
Eta Bin 19 mip Positons Vs. Luminosity

χ^2 / ndf 250 / 108
p0 0.2503 ± 0.001718
p1 $-1.094\text{e-}08 \pm 5.114\text{e-}09$



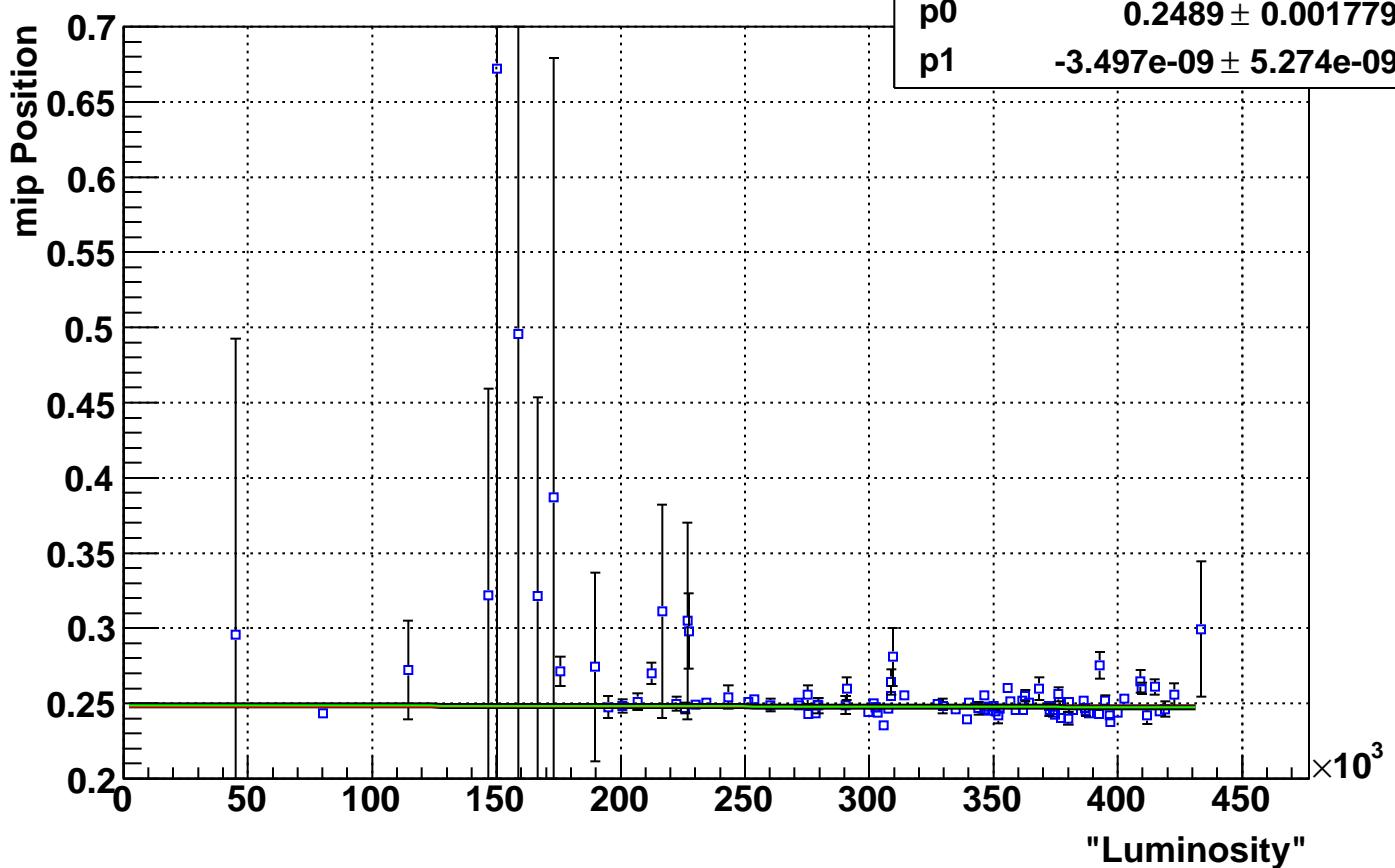
Eta Bin 20 mip Positons Vs. Luminosity

χ^2 / ndf 330.3 / 108
p0 0.2506 ± 0.001615
p1 $-1.084\text{e-}08 \pm 4.823\text{e-}09$



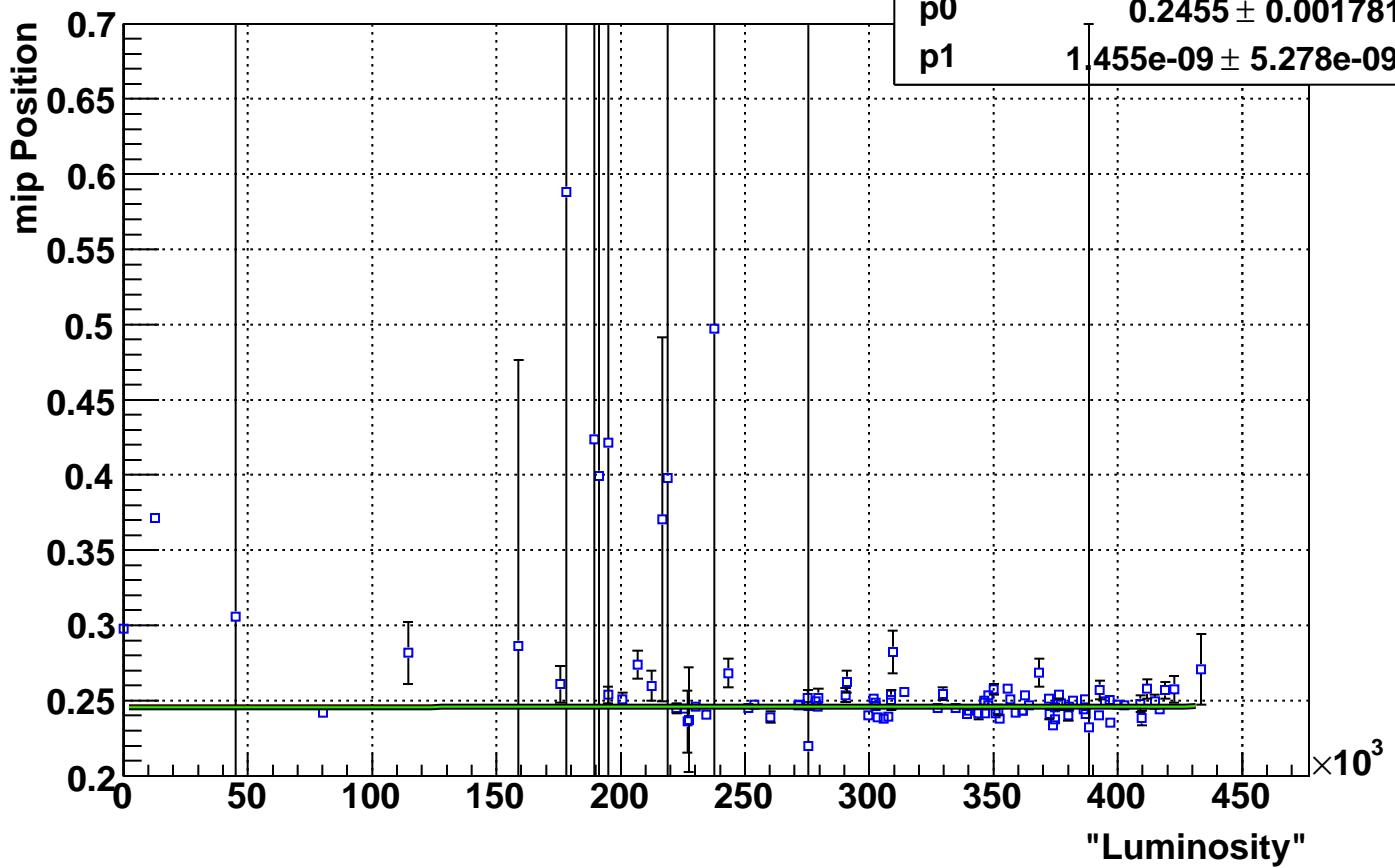
Eta Bin 21 mip Positons Vs. Luminosity

χ^2 / ndf 259.4 / 107
p0 0.2489 ± 0.001779
p1 $-3.497\text{e-}09 \pm 5.274\text{e-}09$



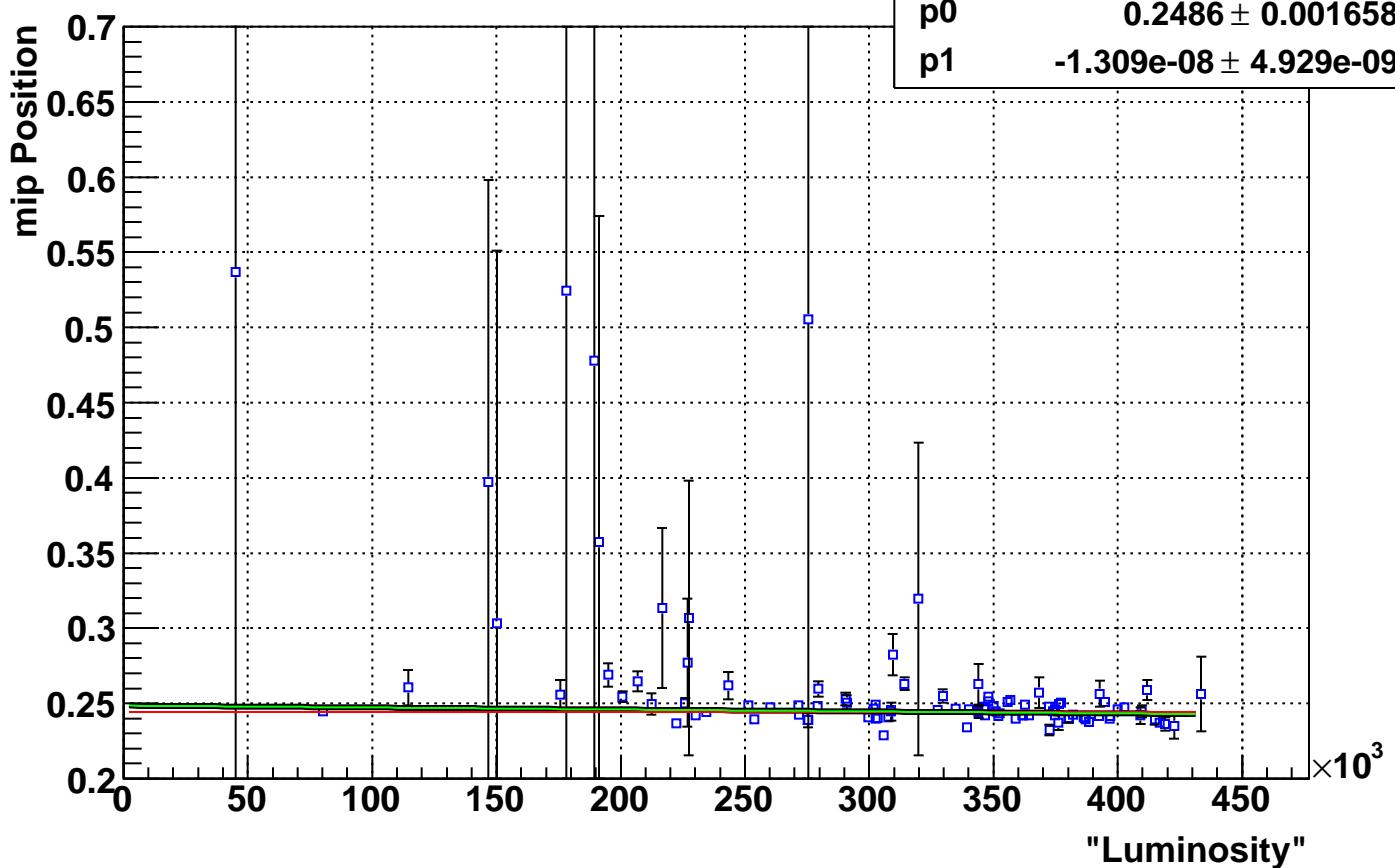
Eta Bin 22 mip Positons Vs. Luminosity

χ^2 / ndf 319.1 / 107
p0 0.2455 ± 0.001781
p1 $1.455\text{e-}09 \pm 5.278\text{e-}09$



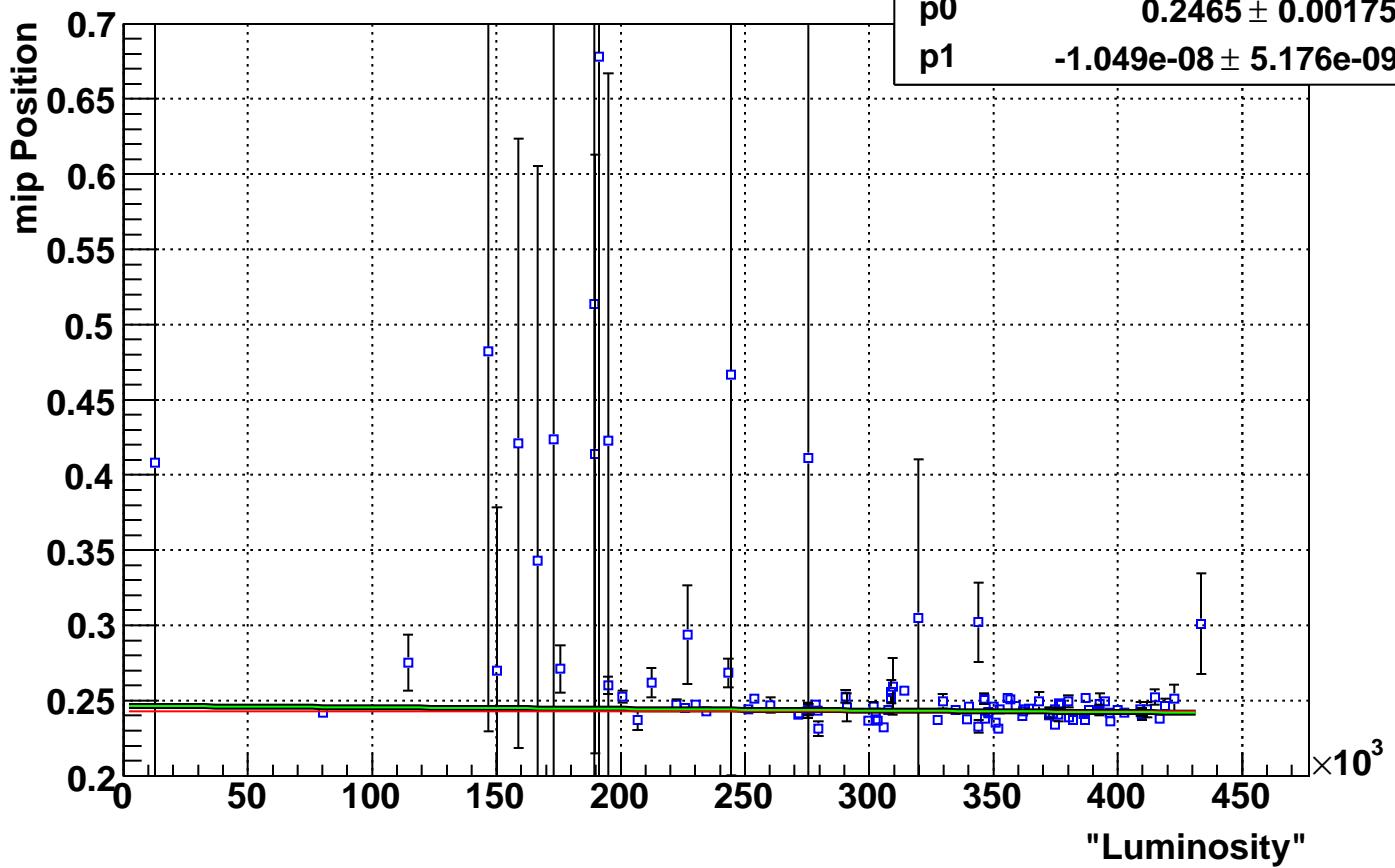
Eta Bin 23 mip Positons Vs. Luminosity

χ^2 / ndf 324.7 / 108
p0 0.2486 ± 0.001658
p1 $-1.309e-08 \pm 4.929e-09$



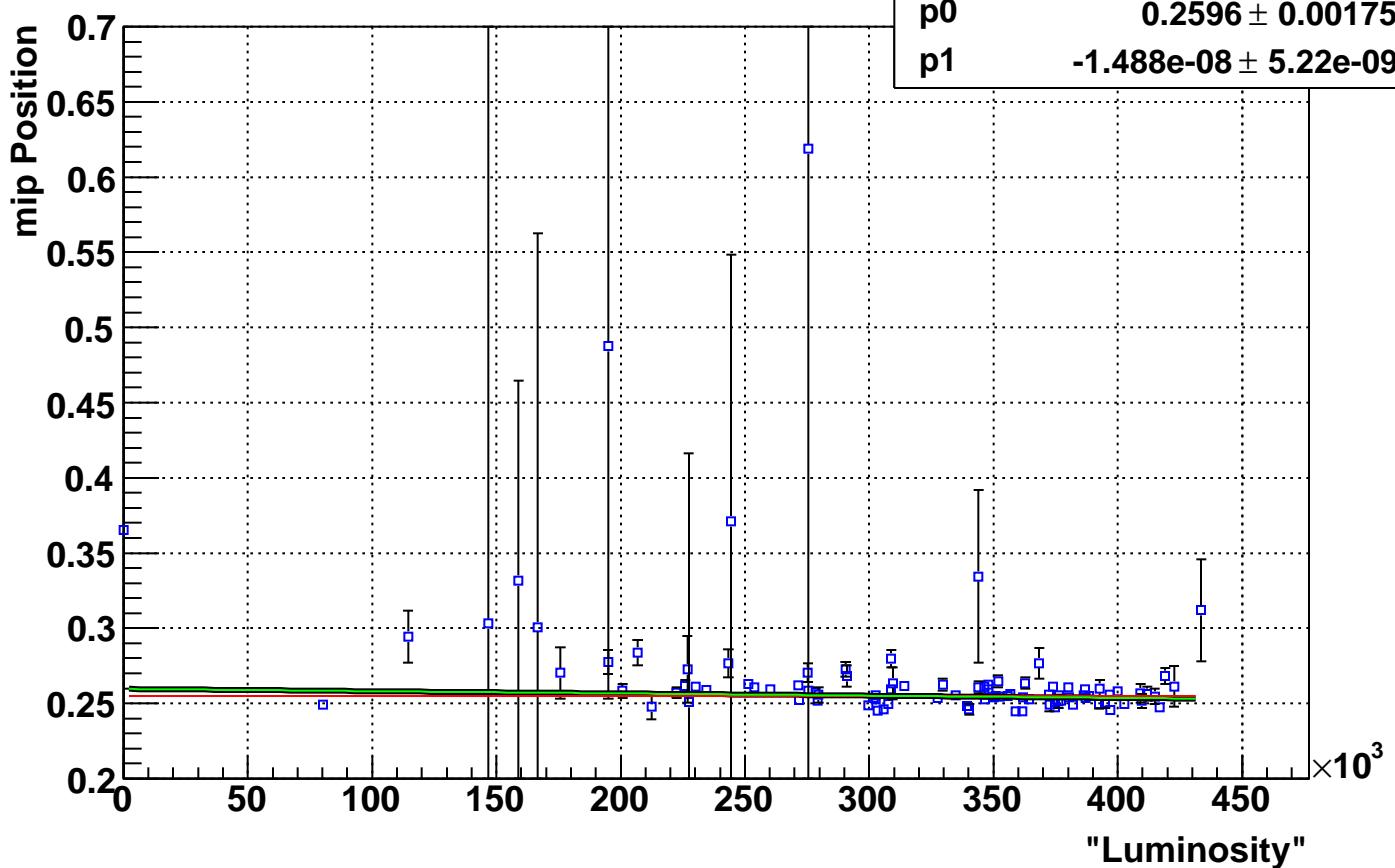
Eta Bin 24 mip Positons Vs. Luminosity

χ^2 / ndf 309.6 / 108
p0 0.2465 ± 0.00175
p1 $-1.049e-08 \pm 5.176e-09$



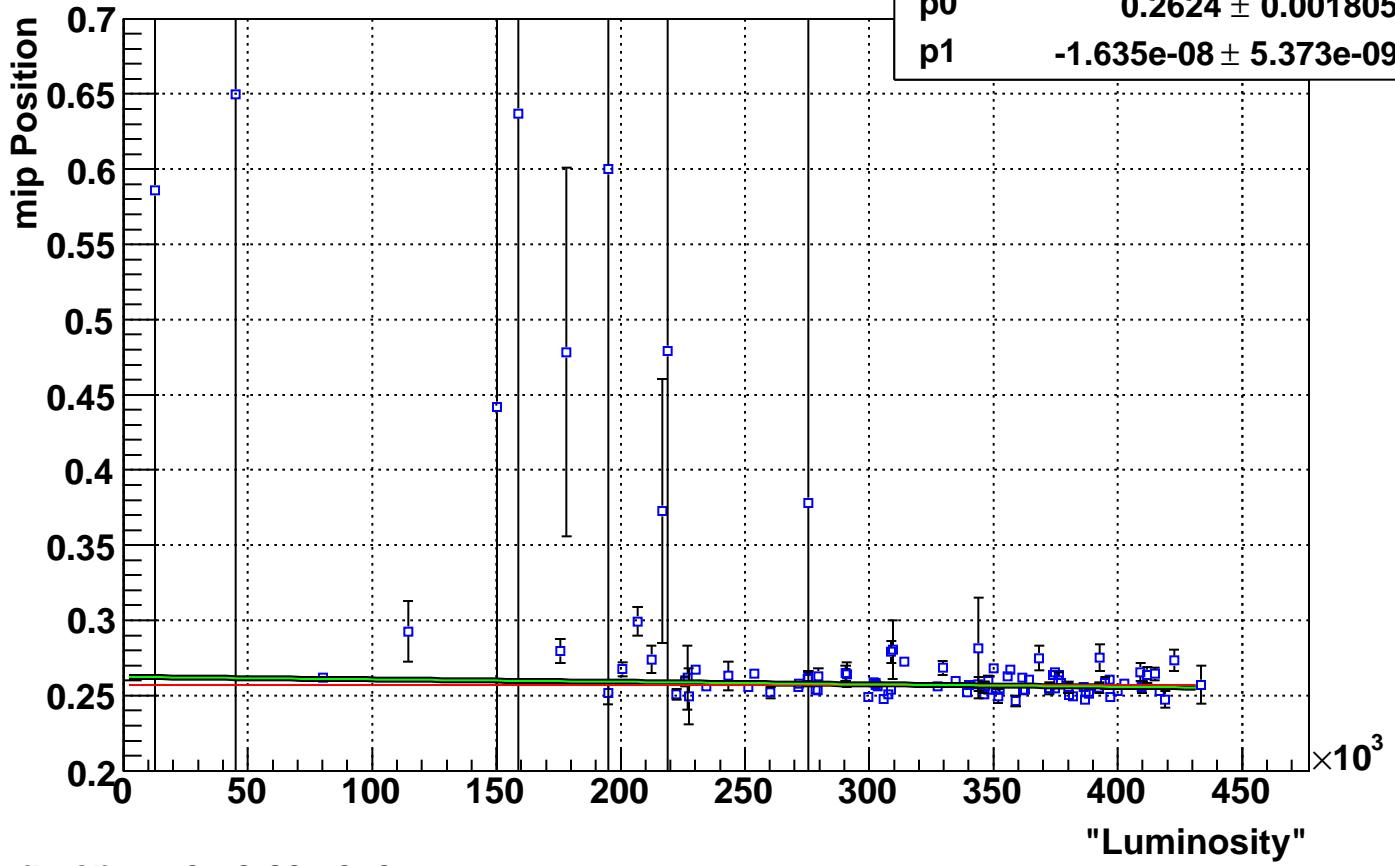
Eta Bin 25 mip Positons Vs. Luminosity

χ^2 / ndf 320.8 / 107
p0 0.2596 ± 0.00175
p1 $-1.488e-08 \pm 5.22e-09$



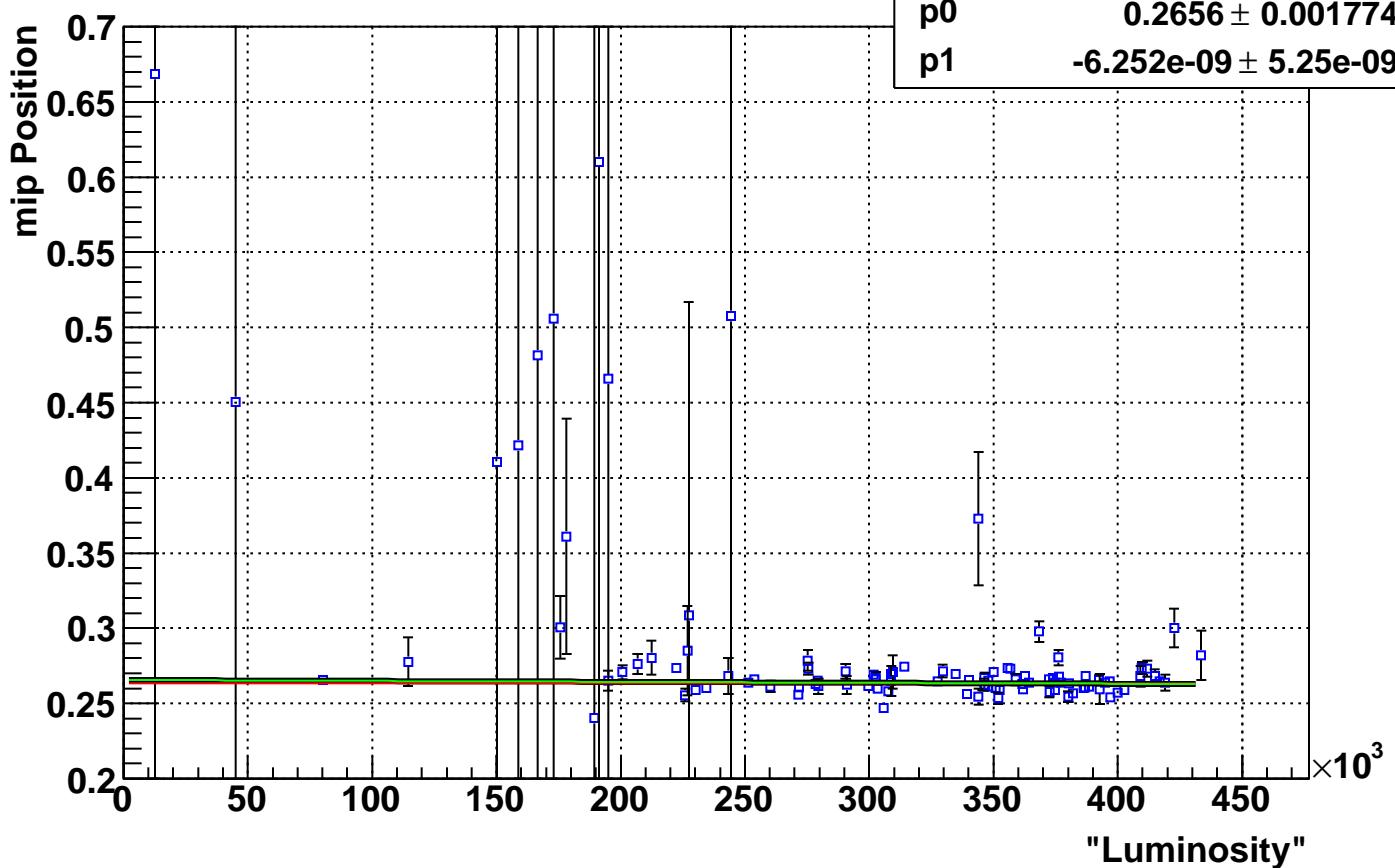
Eta Bin 26 mip Positons Vs. Luminosity

χ^2 / ndf 319 / 108
p0 0.2624 ± 0.001805
p1 $-1.635e-08 \pm 5.373e-09$



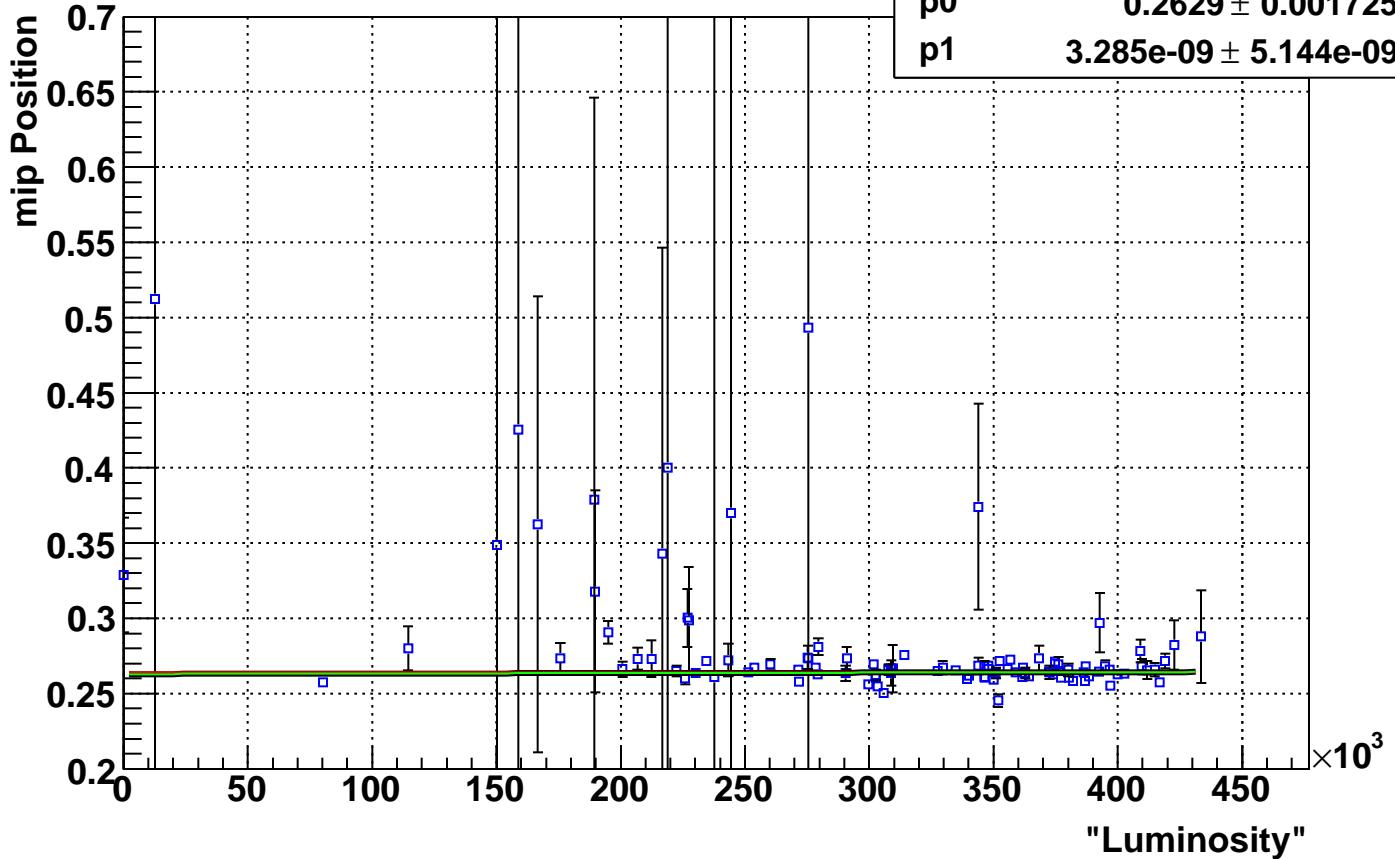
Eta Bin 27 mip Positons Vs. Luminosity

χ^2 / ndf 326.8 / 108
p0 0.2656 ± 0.001774
p1 $-6.252\text{e-}09 \pm 5.25\text{e-}09$



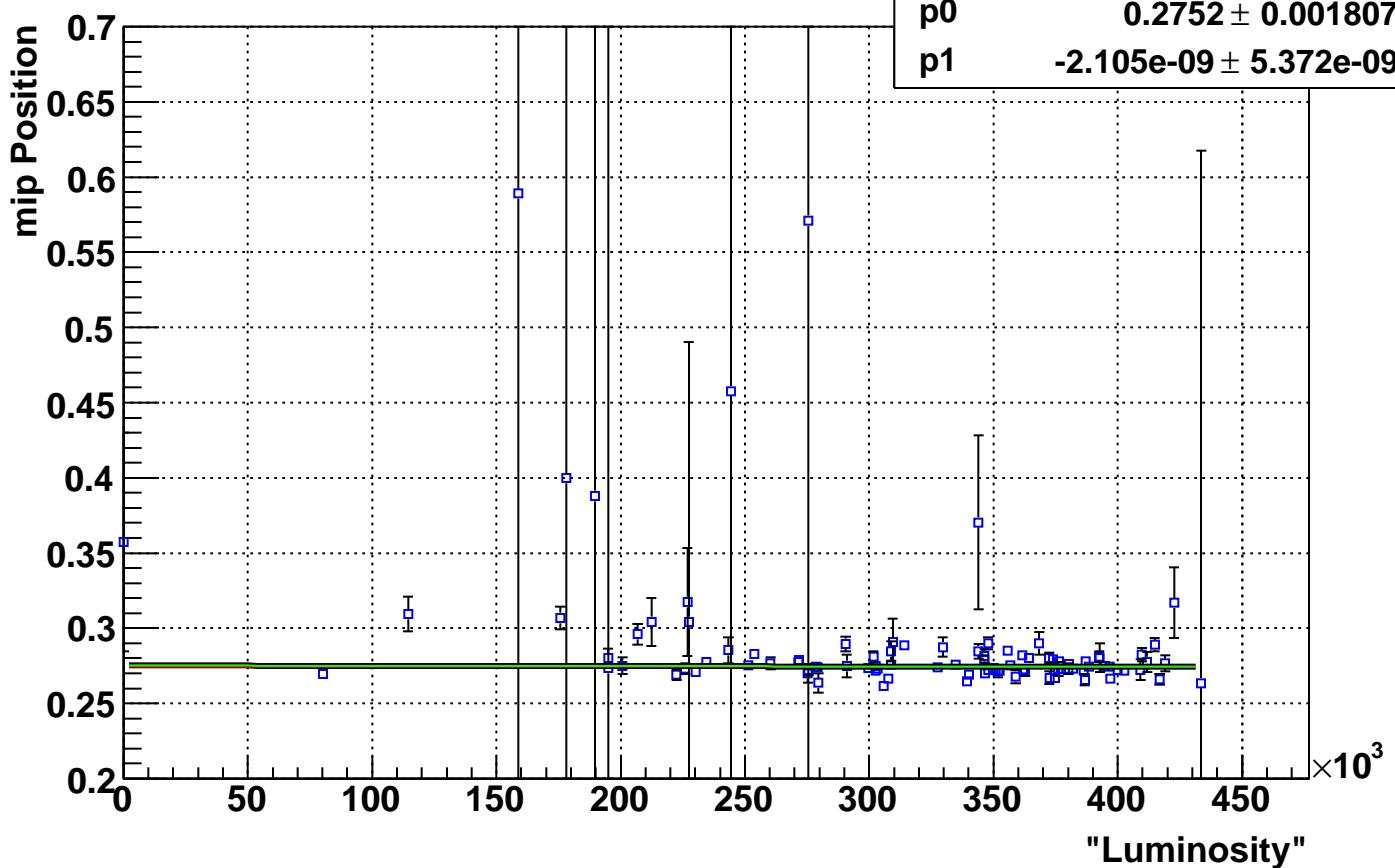
Eta Bin 28 mip Positons Vs. Luminosity

χ^2 / ndf 267.9 / 108
p0 0.2629 ± 0.001725
p1 $3.285\text{e-}09 \pm 5.144\text{e-}09$



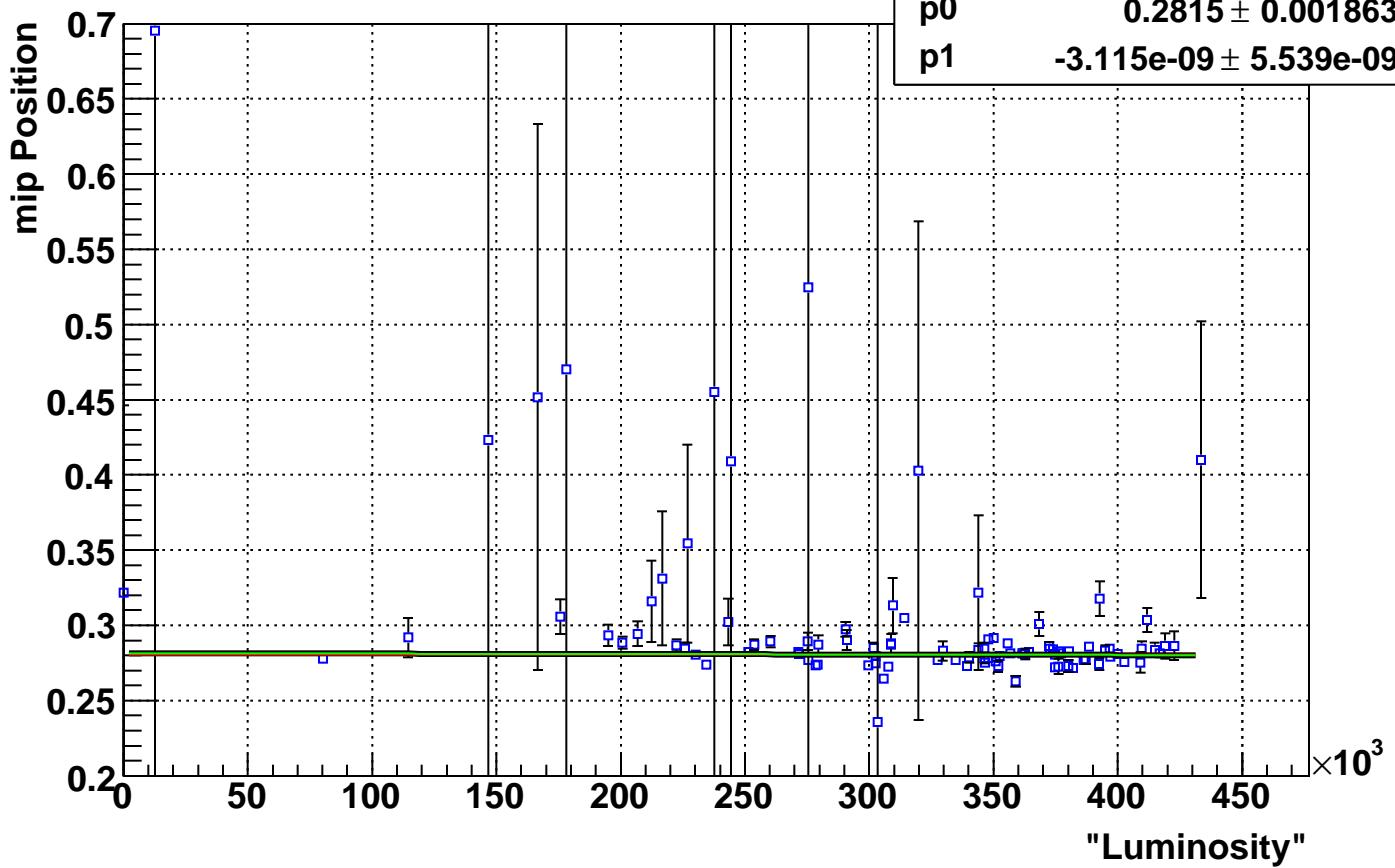
Eta Bin 29 mip Positons Vs. Luminosity

χ^2 / ndf 307.1 / 108
p0 0.2752 ± 0.001807
p1 $-2.105e-09 \pm 5.372e-09$



Eta Bin 30 mip Positons Vs. Luminosity

χ^2 / ndf 371.3 / 108
p0 0.2815 ± 0.001863
p1 $-3.115e-09 \pm 5.539e-09$



Eta Bin 31 mip Positons Vs. Luminosity

χ^2 / ndf

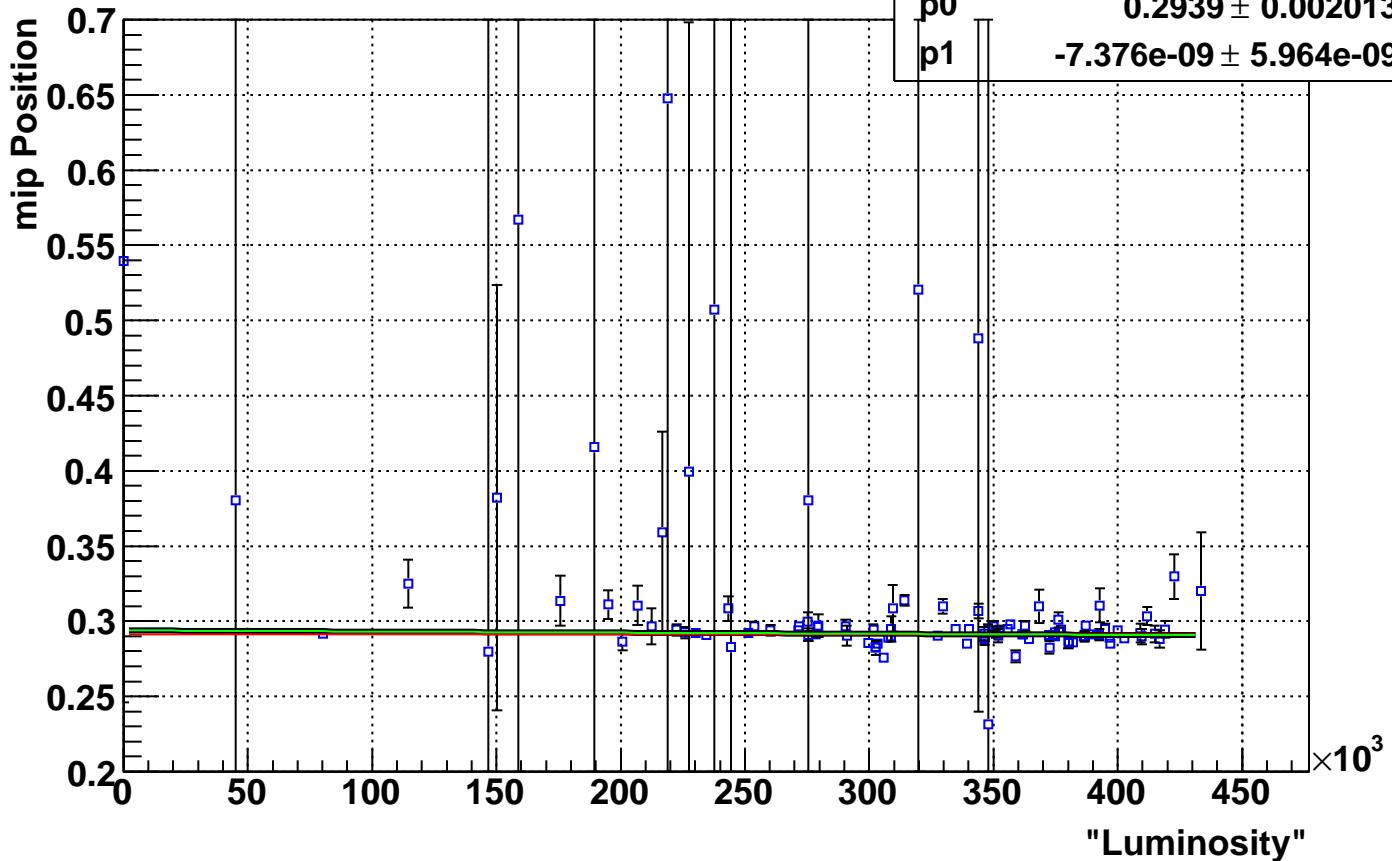
254.7 / 108

p0

0.2939 ± 0.002013

p1

$-7.376\text{e-}09 \pm 5.964\text{e-}09$



Eta Bin 32 mip Positons Vs. Luminosity

χ^2 / ndf

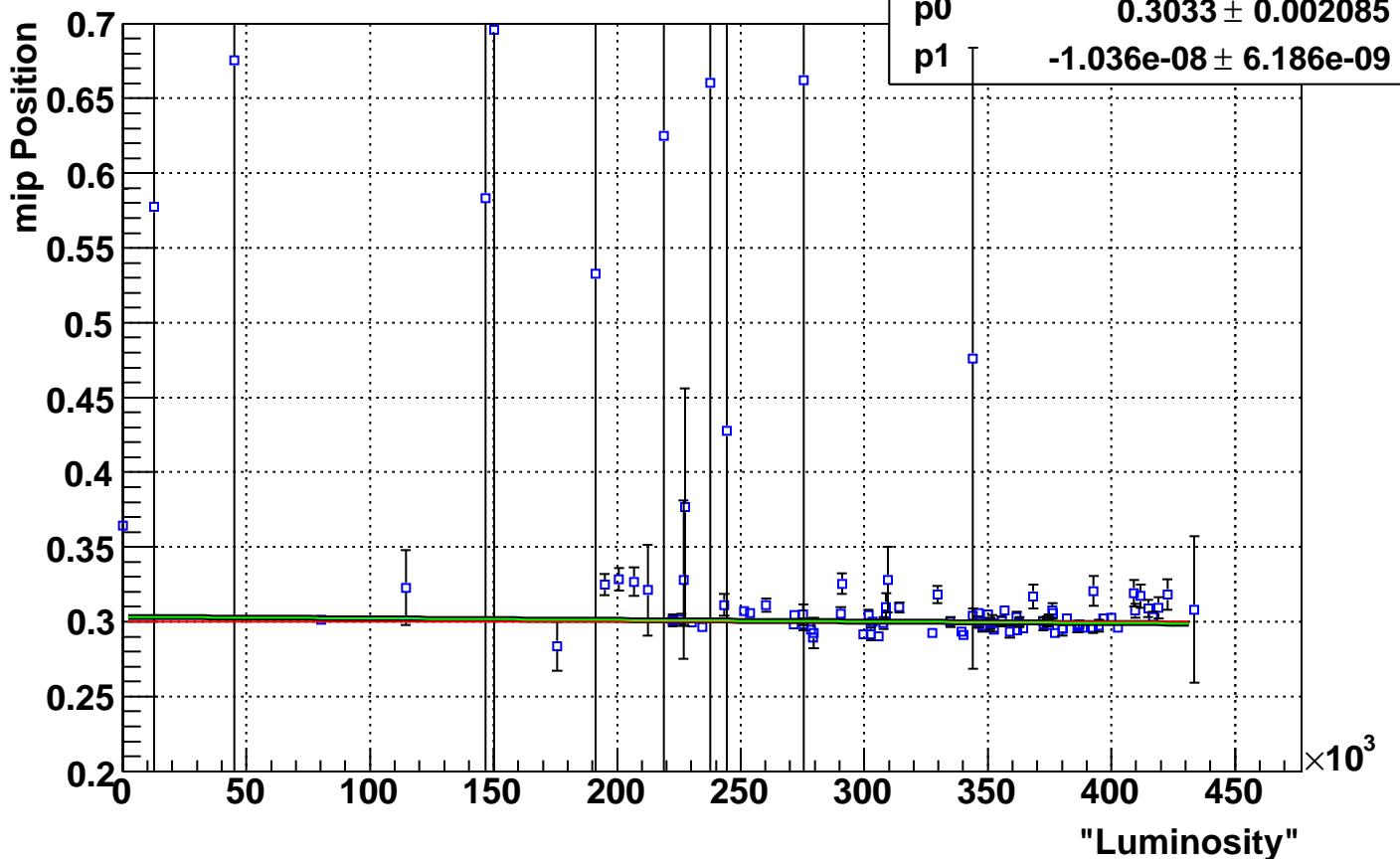
251.7 / 108

p0

0.3033 ± 0.002085

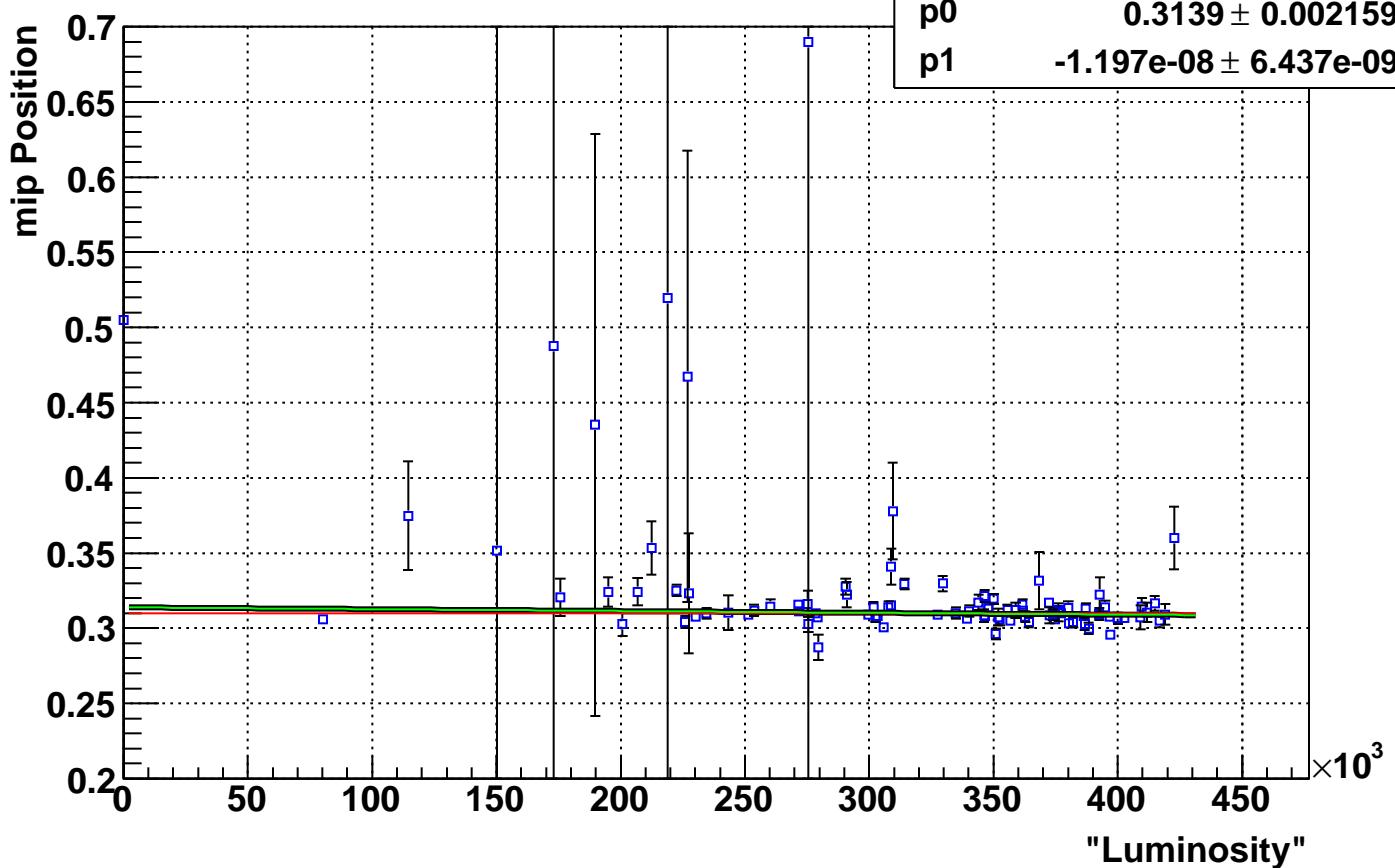
p1

$-1.036\text{e-}08 \pm 6.186\text{e-}09$



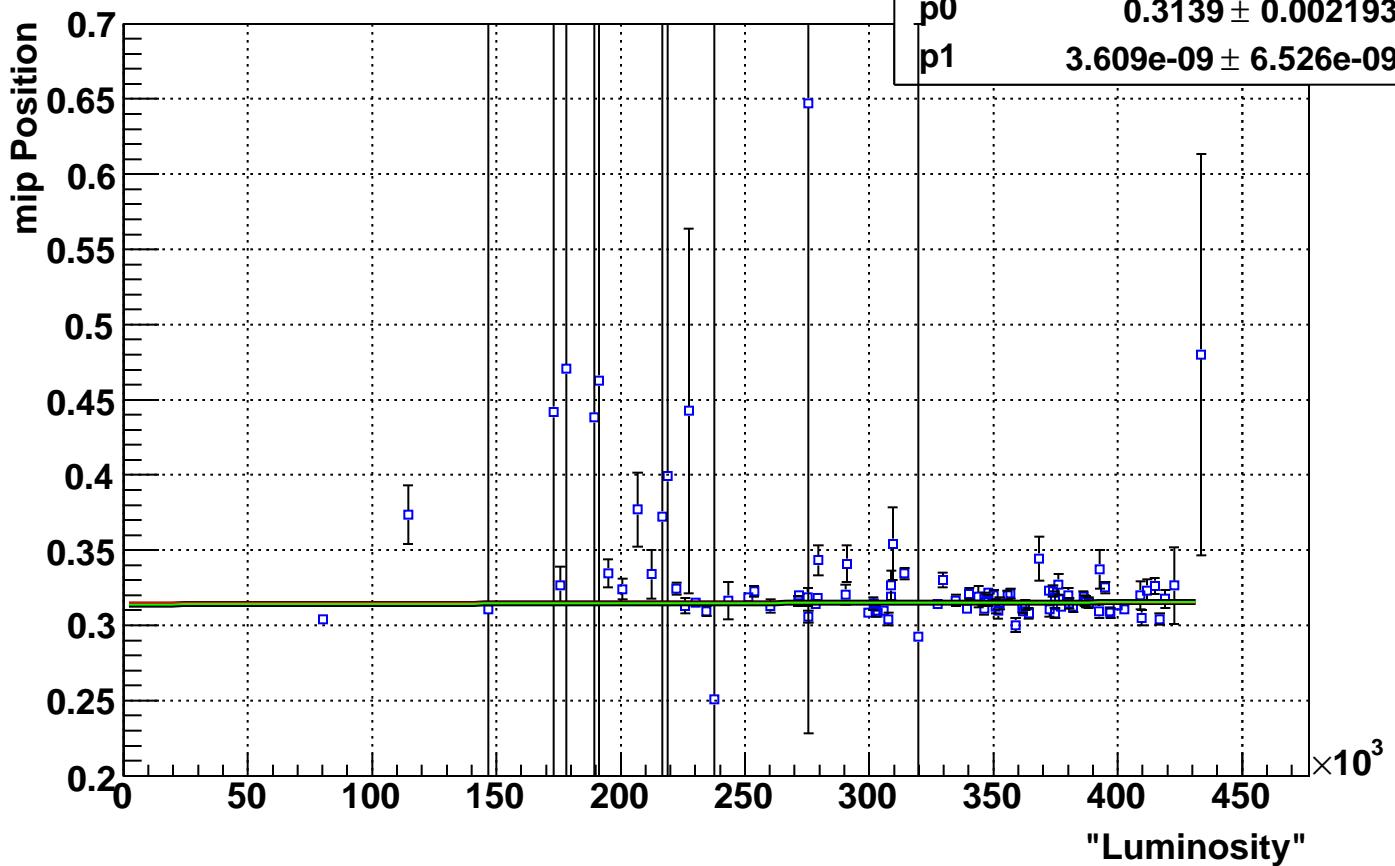
Eta Bin 33 mip Positons Vs. Luminosity

χ^2 / ndf 274.1 / 108
p0 0.3139 ± 0.002159
p1 $-1.197e-08 \pm 6.437e-09$



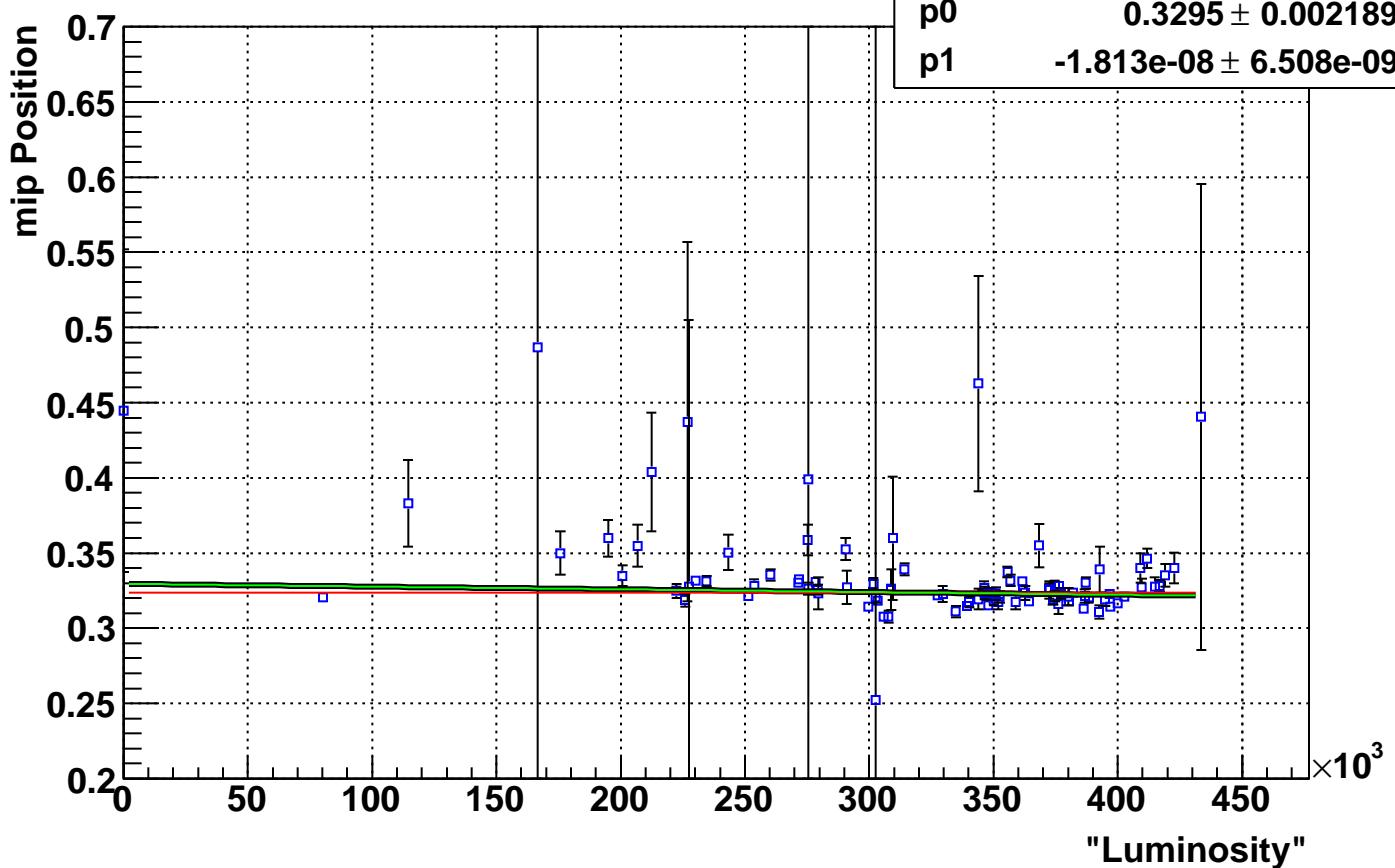
Eta Bin 34 mip Positons Vs. Luminosity

χ^2 / ndf 252.4 / 108
p0 0.3139 ± 0.002193
p1 $3.609e-09 \pm 6.526e-09$



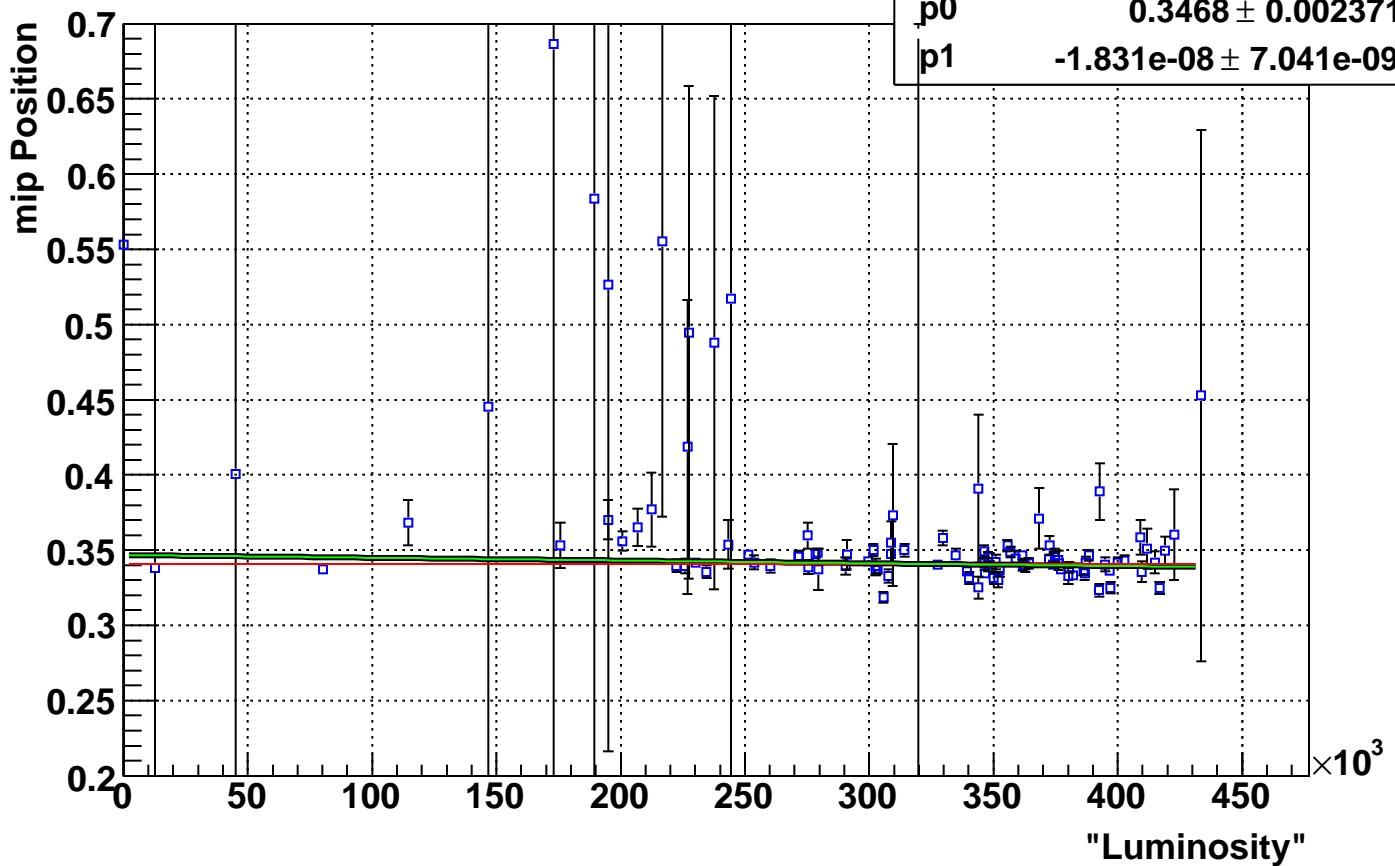
Eta Bin 35 mip Positons Vs. Luminosity

χ^2 / ndf 354.6 / 108
p0 0.3295 ± 0.002189
p1 $-1.813e-08 \pm 6.508e-09$



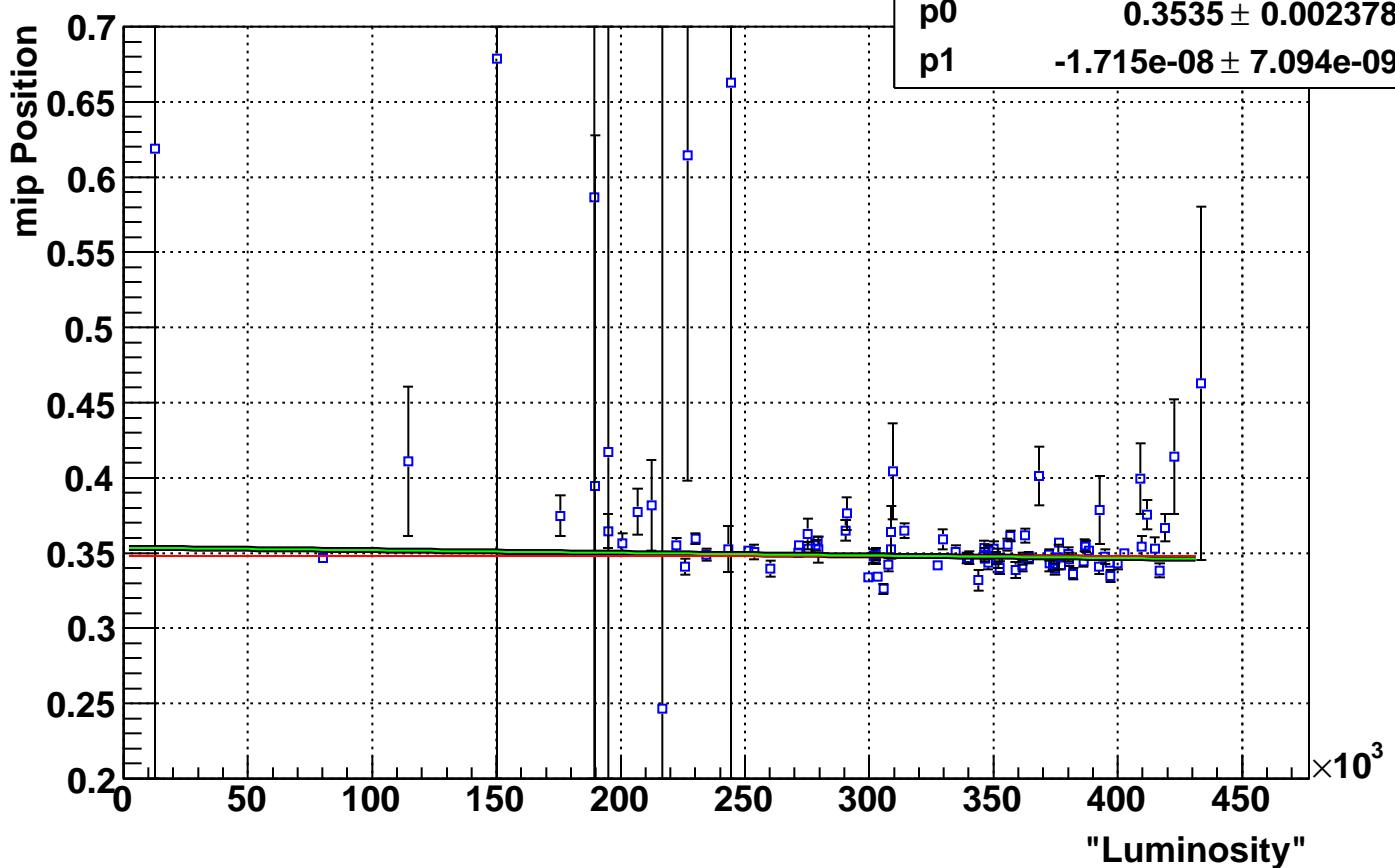
Eta Bin 36 mip Positons Vs. Luminosity

χ^2 / ndf 272.7 / 108
p0 0.3468 ± 0.002371
p1 $-1.831e-08 \pm 7.041e-09$



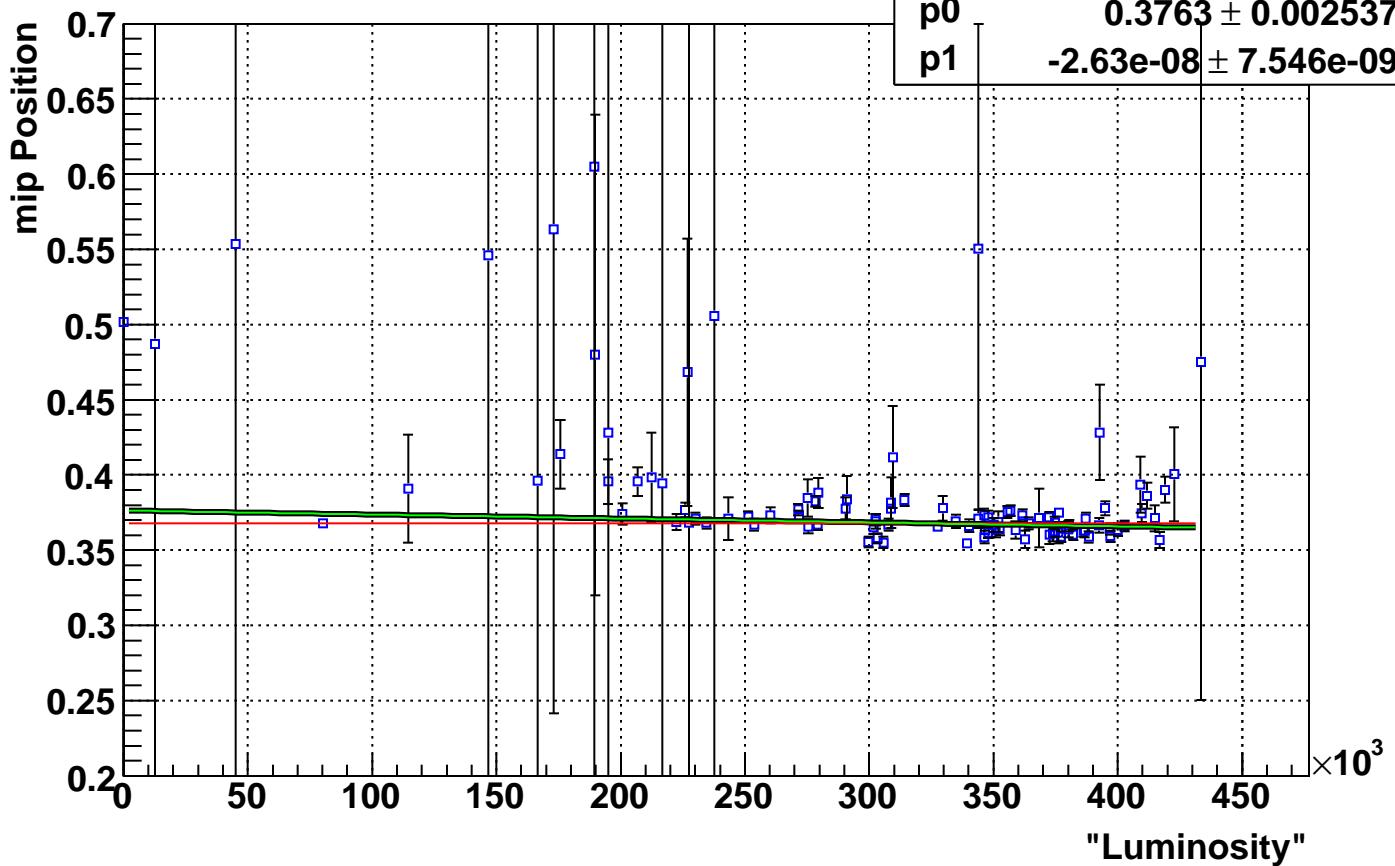
Eta Bin 37 mip Positons Vs. Luminosity

χ^2 / ndf 317.5 / 108
p0 0.3535 ± 0.002378
p1 $-1.715e-08 \pm 7.094e-09$



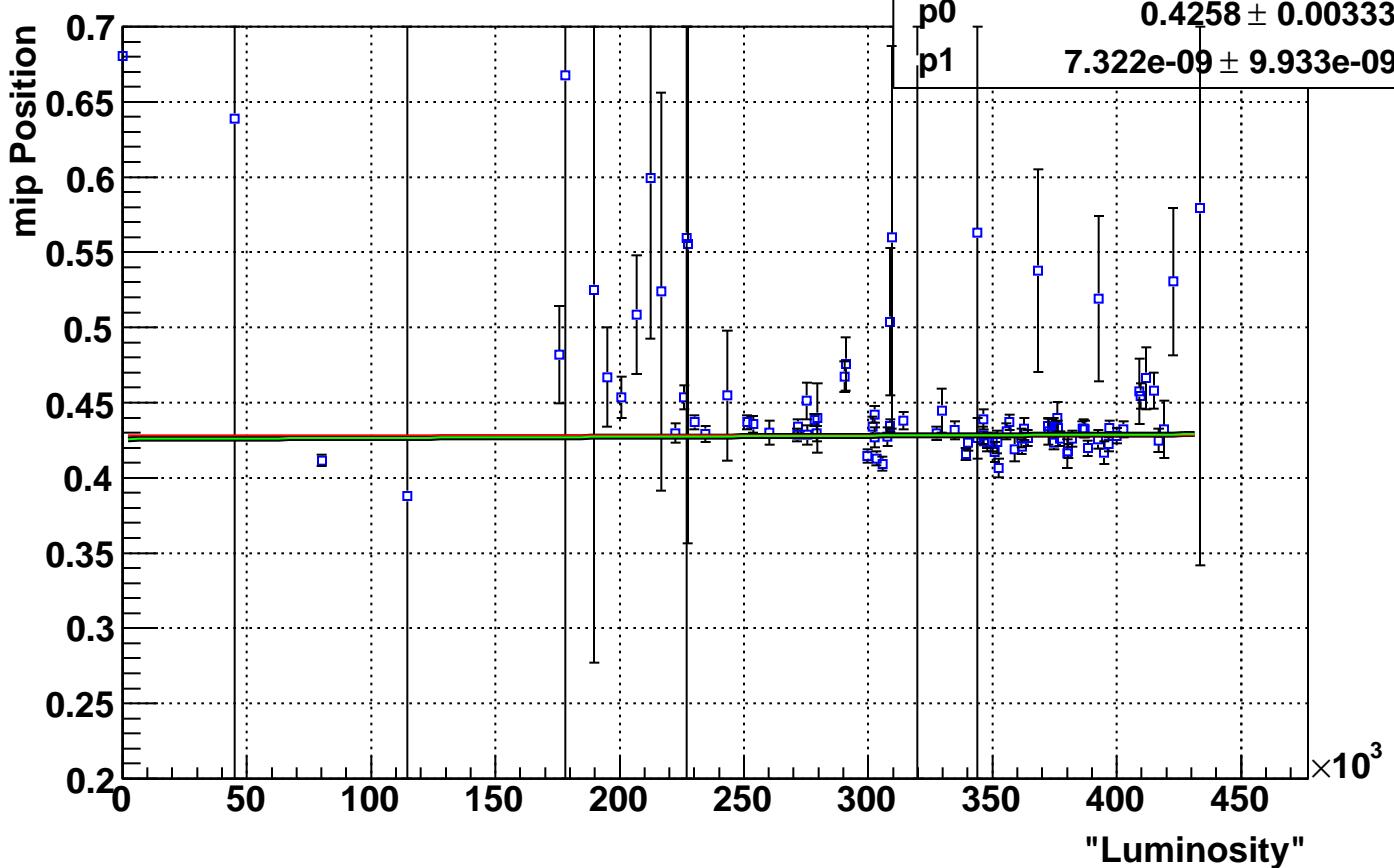
Eta Bin 38 mip Positons Vs. Luminosity

χ^2 / ndf 229.1 / 108
p0 0.3763 ± 0.002537
p1 $-2.63e-08 \pm 7.546e-09$



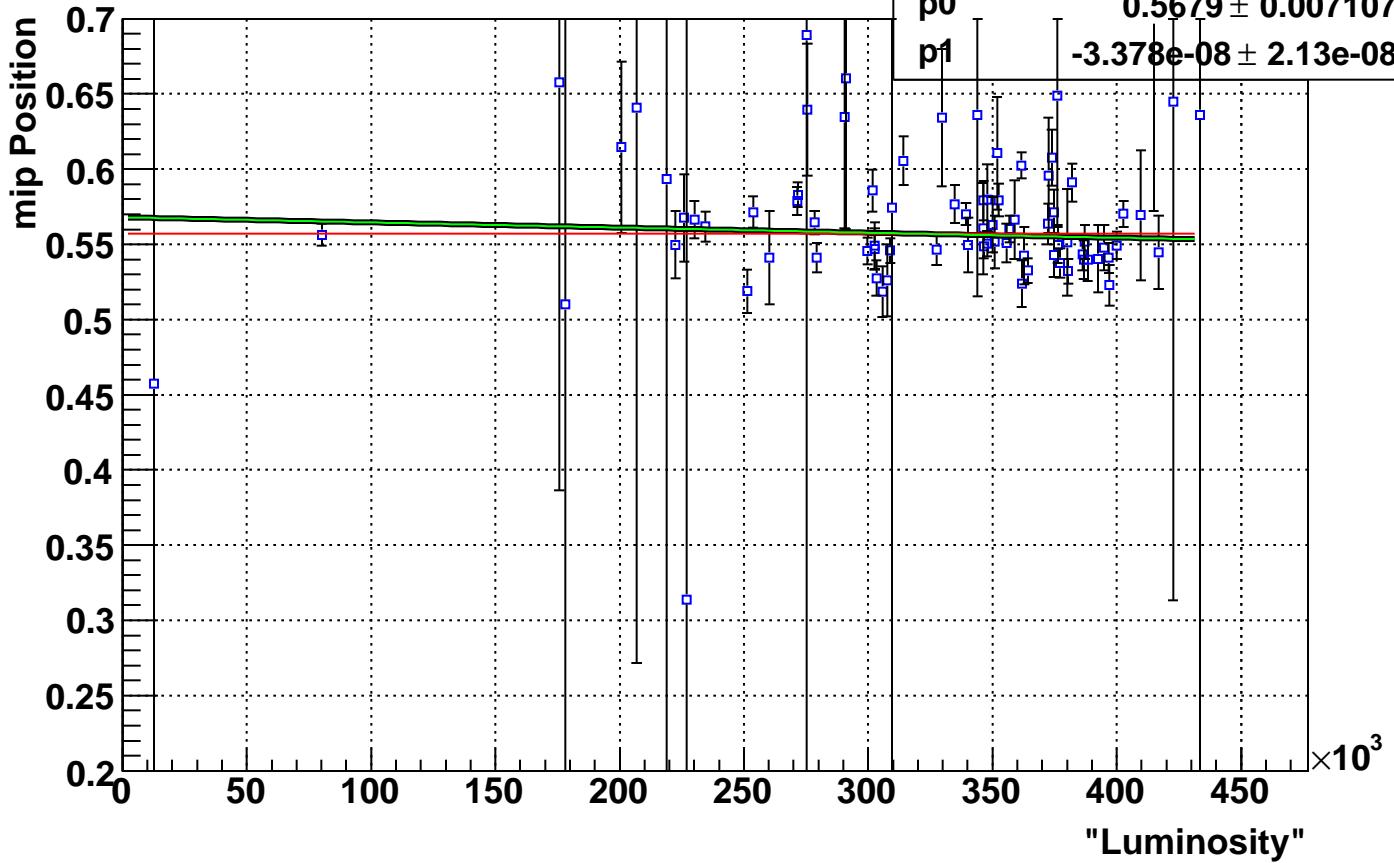
Eta Bin 39 mip Positons Vs. Luminosity

χ^2 / ndf 238.2 / 108
 p_0 0.4258 ± 0.00333
 p_1 $7.322e-09 \pm 9.933e-09$

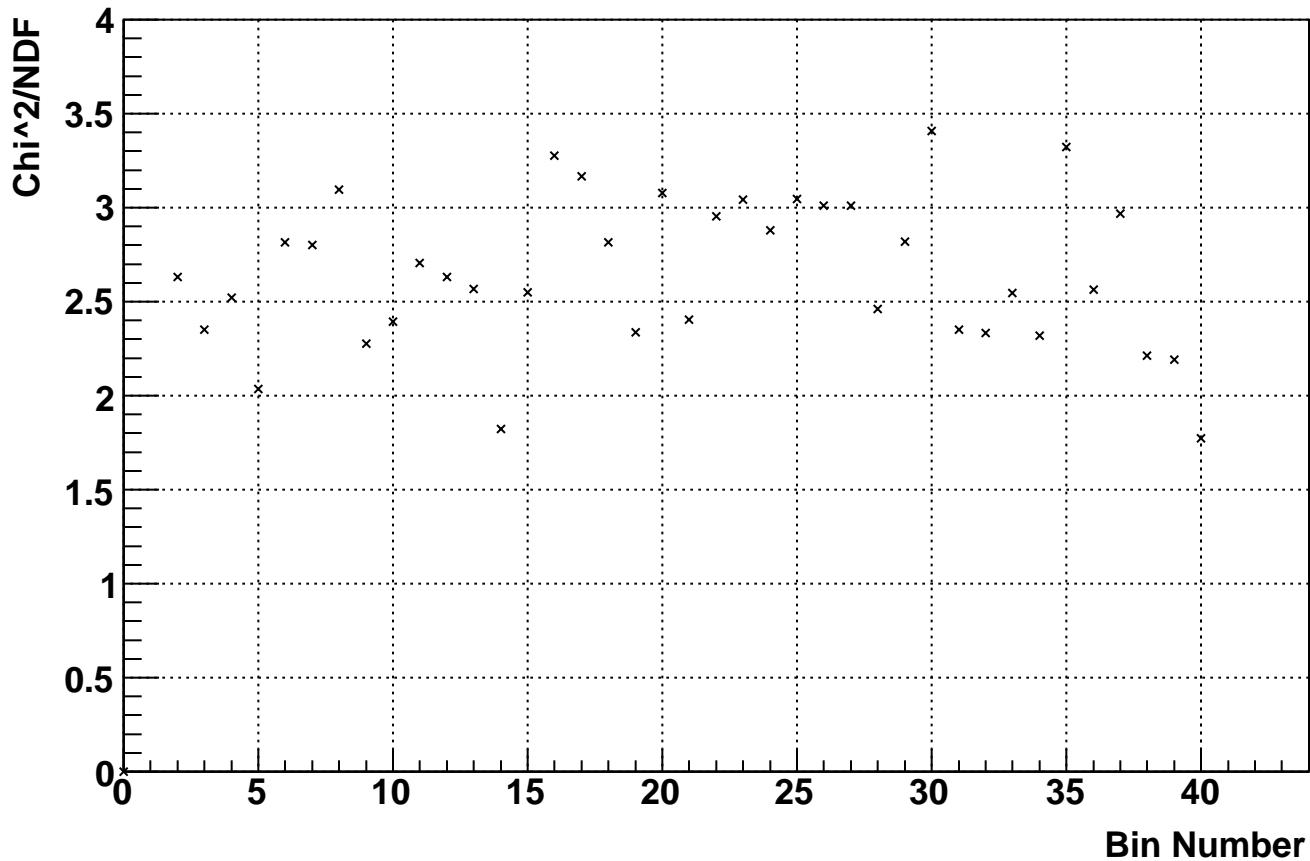


Eta Bin 40 mip Positons Vs. Luminosity

χ^2 / ndf 190.8 / 108
 p_0 0.5679 ± 0.007107
 p_1 $-3.378e-08 \pm 2.13e-08$



Chi Squared vs. Bin Number for P0



Chi Squared vs. Bin Number for P1

