

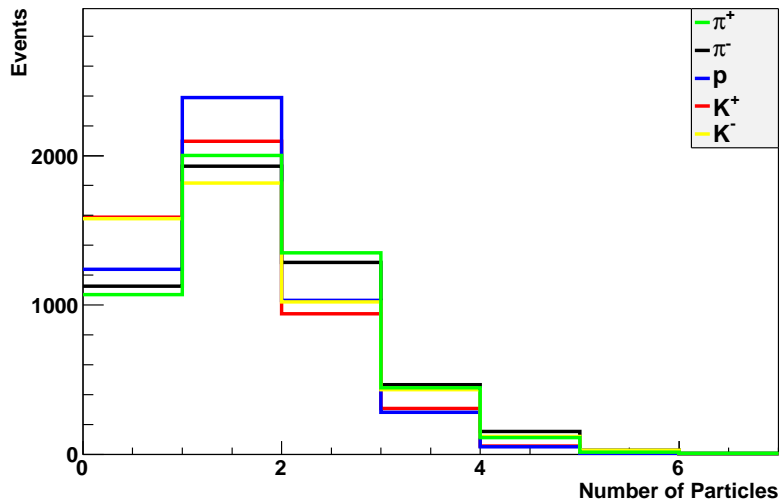
K+K0pi-ggp plots

Nathan Sparks

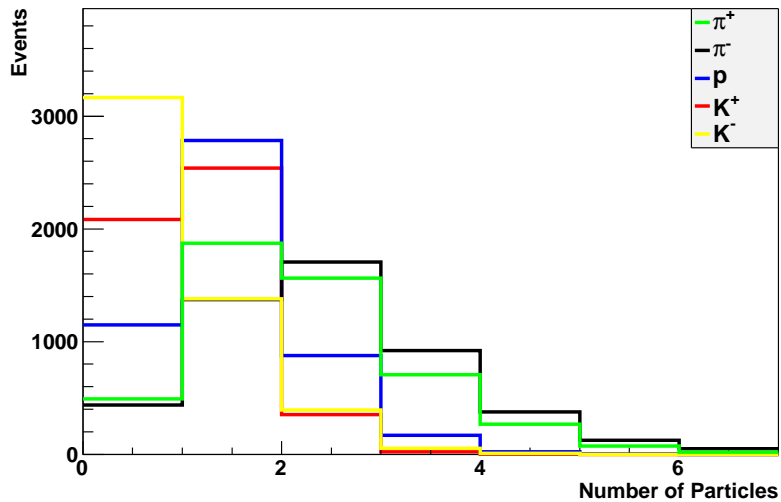
Florida State University, Tallahassee, Florida

GlueX Physics Meeting
09/27/2010

Normal PID



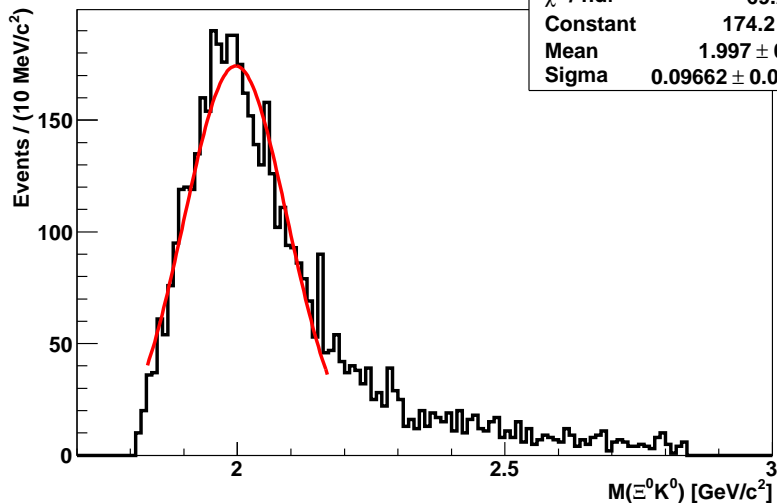
PID Force Truth



PID Force Truth

Thrown Mass of Excited Υ Baryon

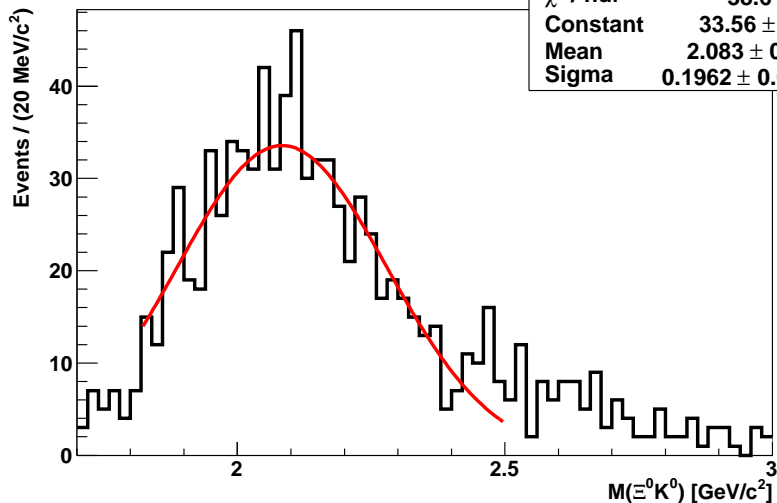
Integral	5000
χ^2 / ndf	69.2 / 31
Constant	174.2 ± 3.8
Mean	1.997 ± 0.002
Sigma	0.09662 ± 0.00212



PID Force Truth

Mass of Excited Σ Baryon

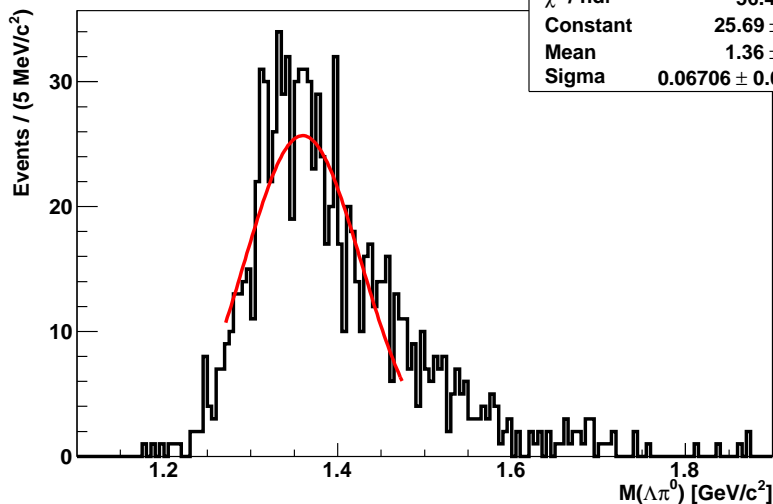
Integral	916
χ^2 / ndf	38.61 / 31
Constant	33.56 ± 1.73
Mean	2.083 ± 0.010
Sigma	0.1962 ± 0.0114



PID Force Truth

Mass of Ξ^0 Baryon

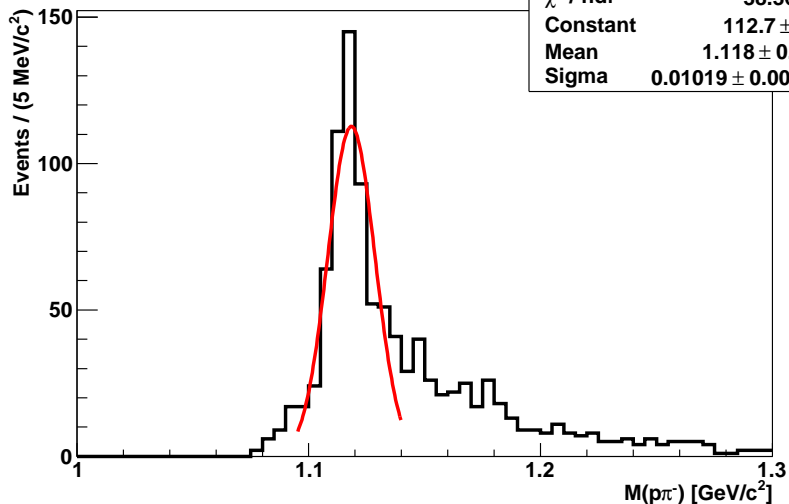
Integral	1018
χ^2 / ndf	56.48 / 38
Constant	25.69 ± 1.35
Mean	1.36 ± 0.00
Sigma	0.06706 ± 0.00447



PID Force Truth

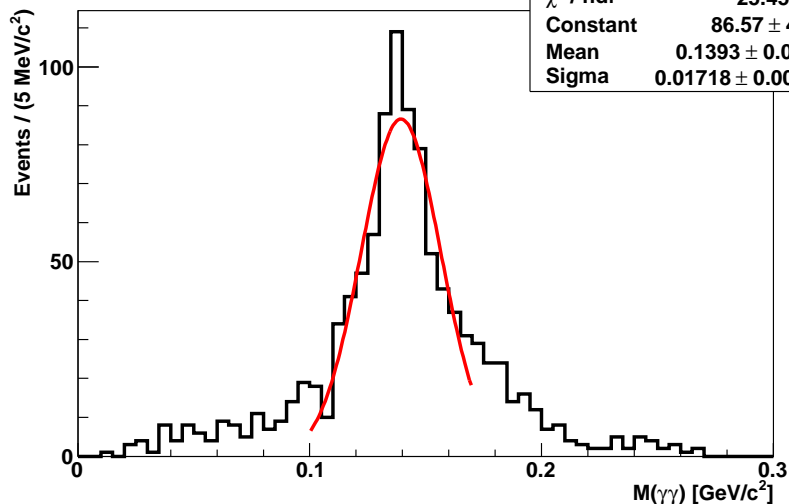
Mass of Λ Baryon

Integral	986
χ^2 / ndf	38.36 / 6
Constant	112.7 ± 7.2
Mean	1.118 ± 0.001
Sigma	0.01019 ± 0.00059



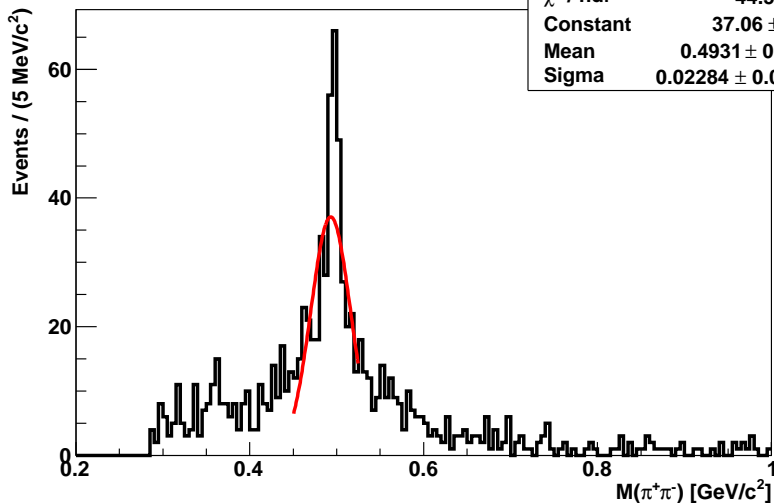
PID Force Truth

Mass of π^0 Meson



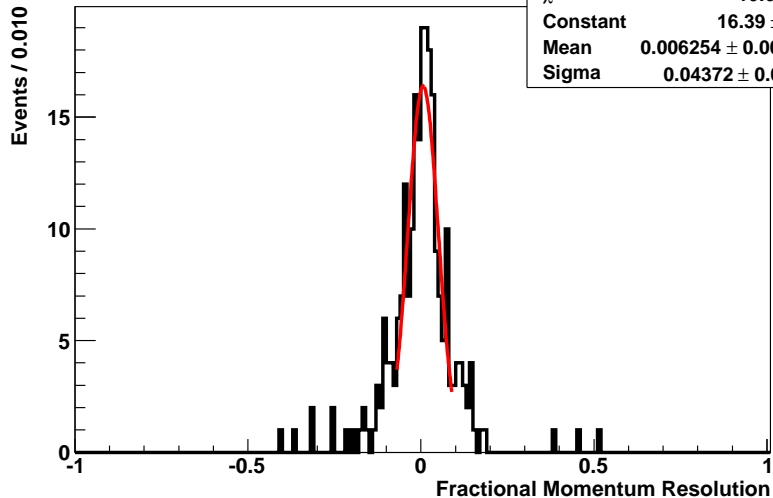
PID Force Truth

Mass of K_s Meson



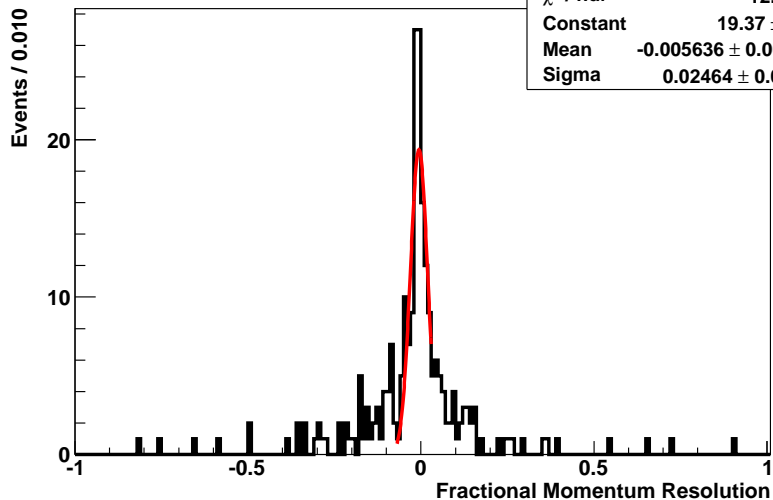
PID Force Truth

Forward Going K^+



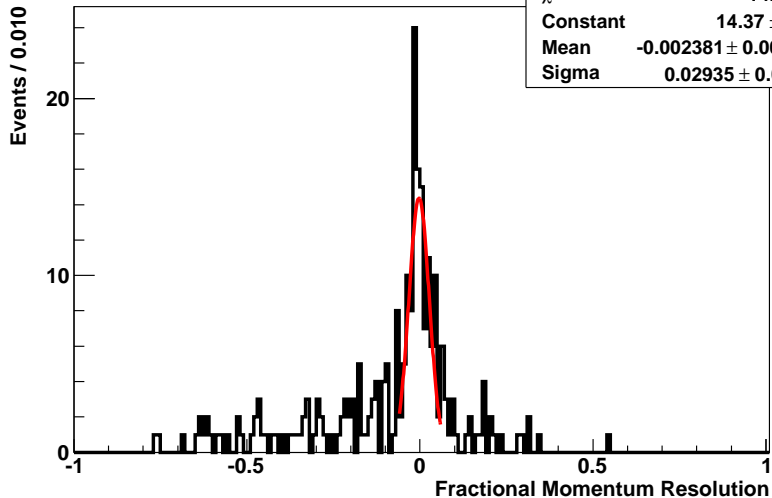
PID Force Truth

π^+ from K_s Decay



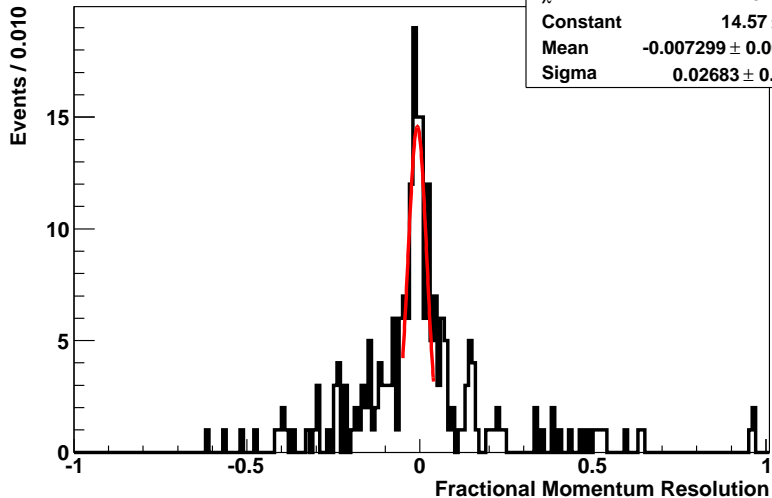
PID Force Truth

Proton



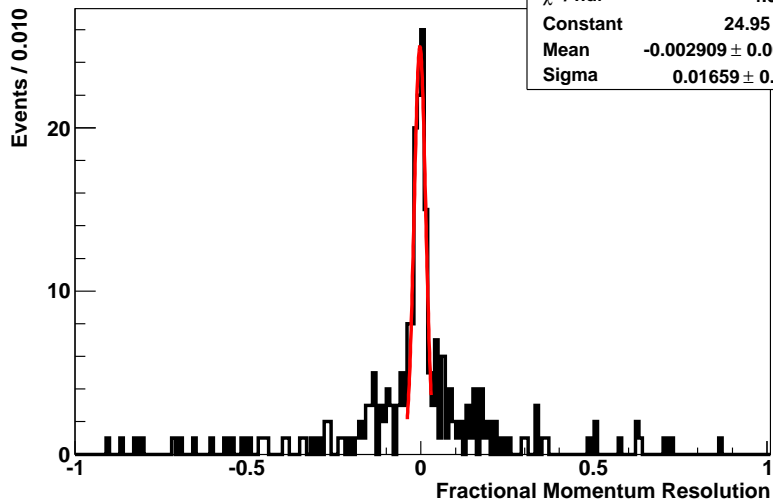
PID Force Truth

π^- from Λ Decay

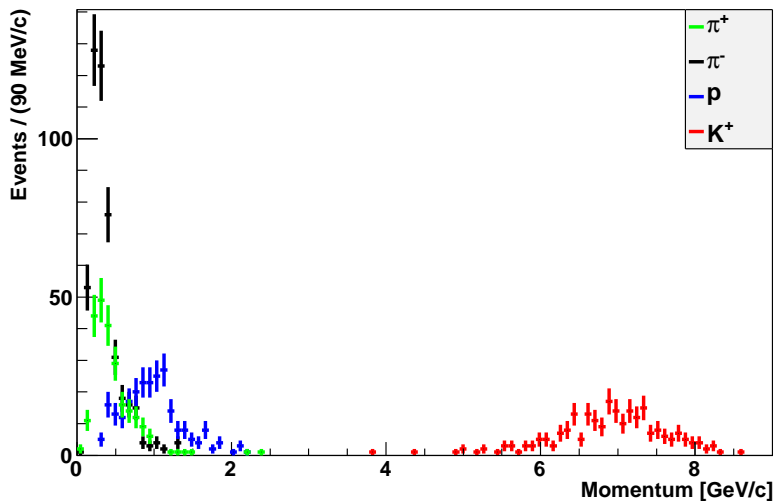


PID Force Truth

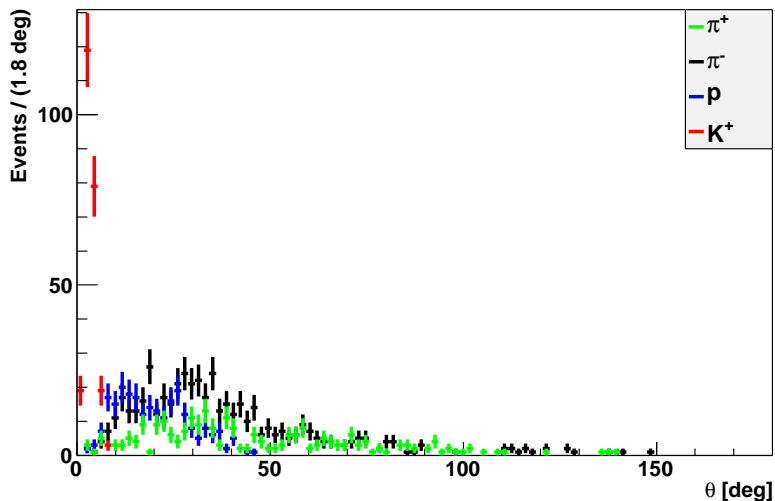
π from K_s Decay



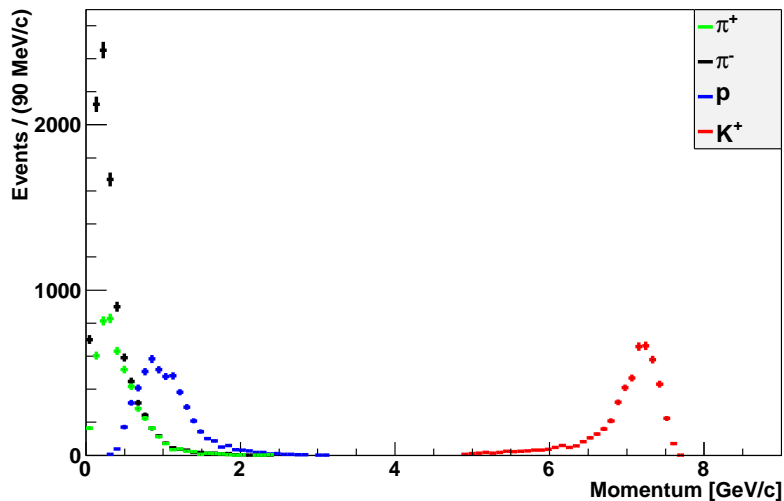
PID Force Truth: Accepted Momentum Dist.



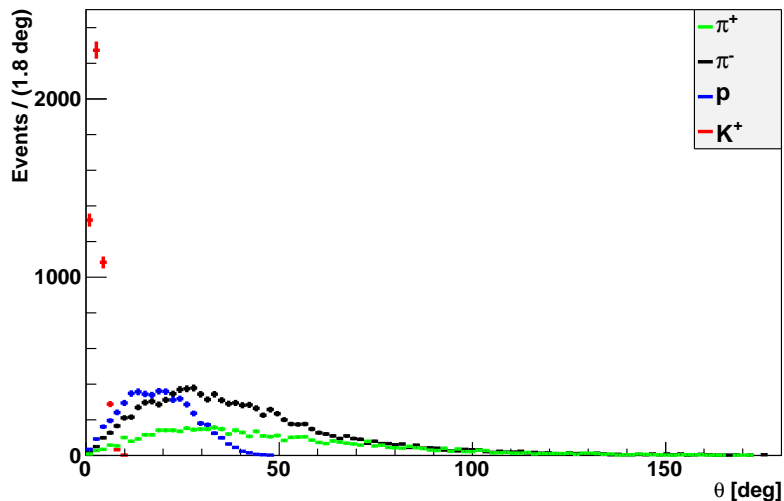
PID Force Truth: Accepted Theta Dist.



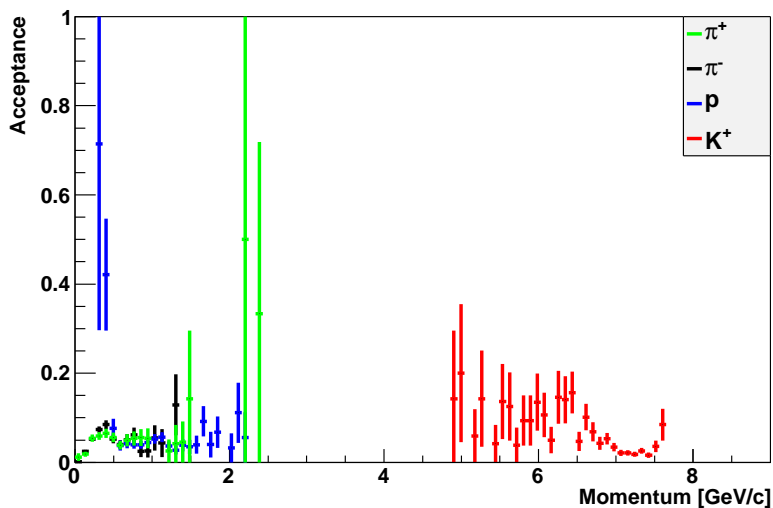
PID Force Truth: Generated Momentum Dist.



PID Force Truth: Generated Theta Dist.



PID Force Truth: Acceptance in Momentum



PID Force Truth: Acceptance in Theta

