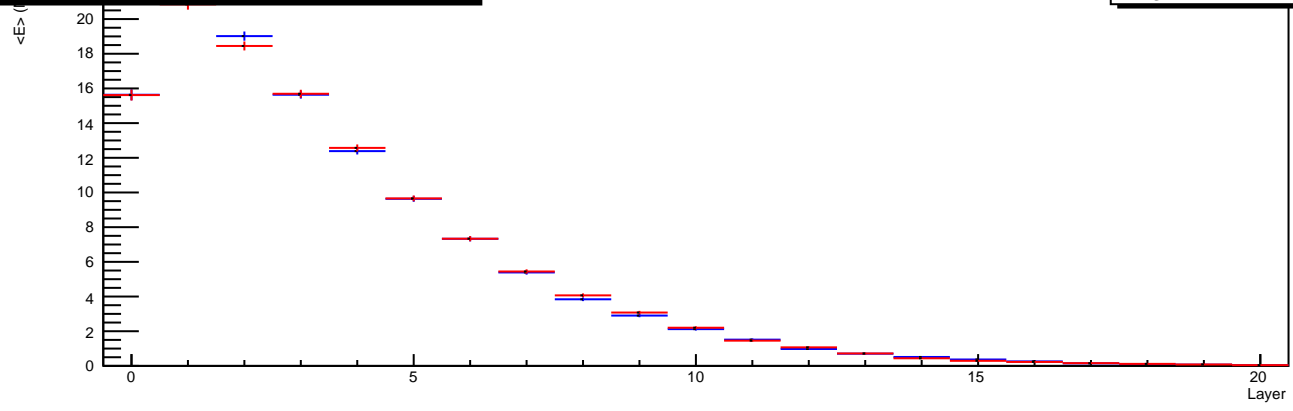


Longitudinal Shower Profile

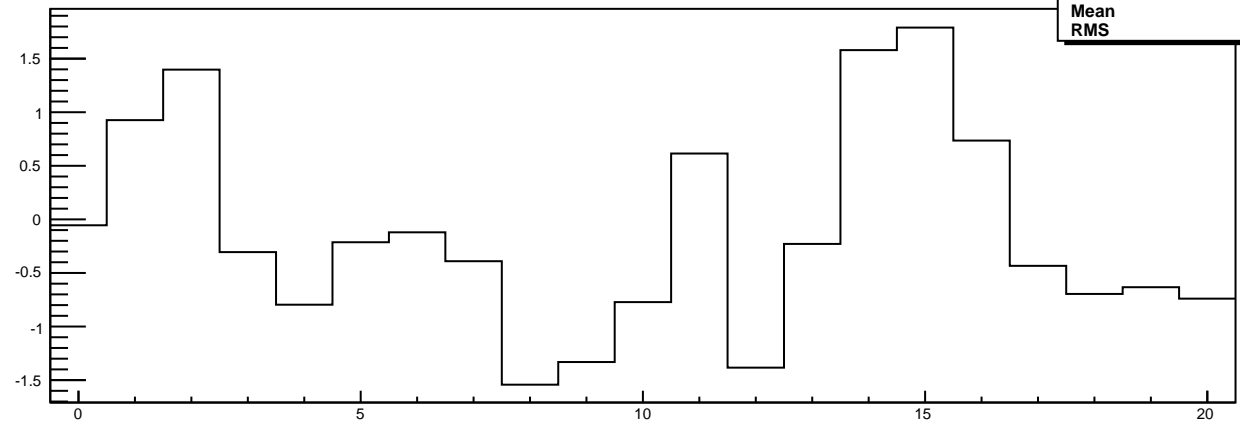
(p-val: 0.541017512665 Test: BinnedWeighted1DChi2Test)

hLongProfile	
Entries	21
Mean	3.541
RMS	3.169



hLongProfile Residuals

hLongProfile-Residuals	
Entries	21
Mean	13.76
RMS	3.524

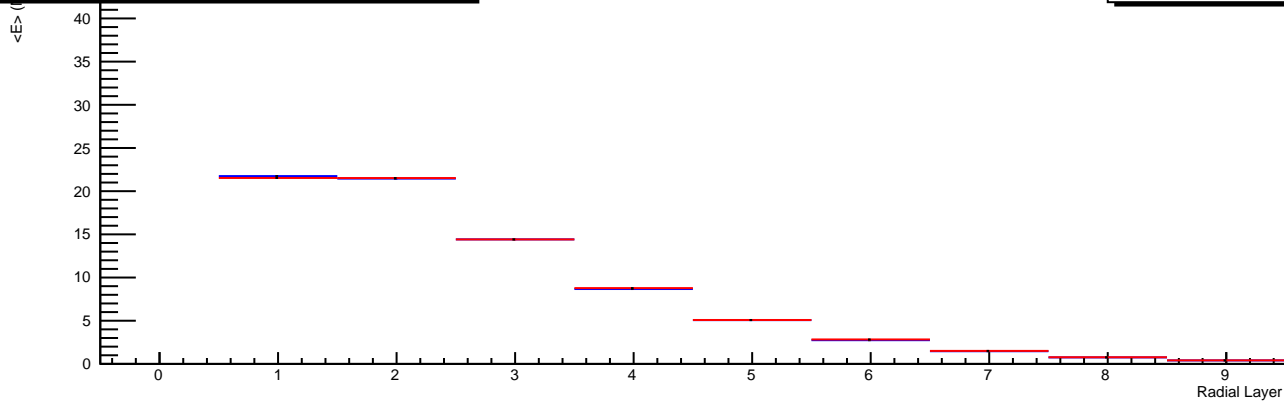


Transverse Shower Profile

(p-val: 0.290344713953 Test: BinnedWeighted1DChi2Test)

hTransvProfile

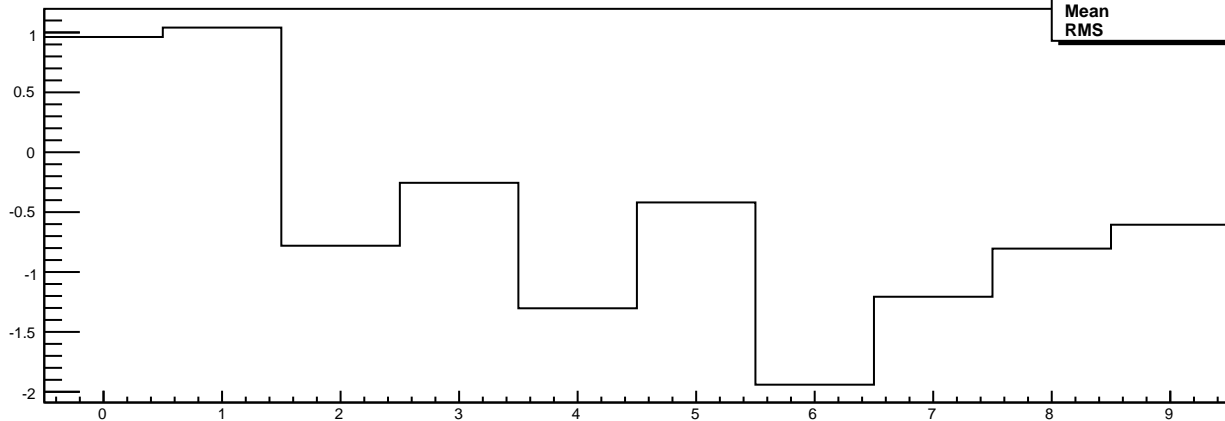
Entries	10
Mean	1.704
RMS	1.84



hTransvProfile Residuals

hTransvProfile-Residuals

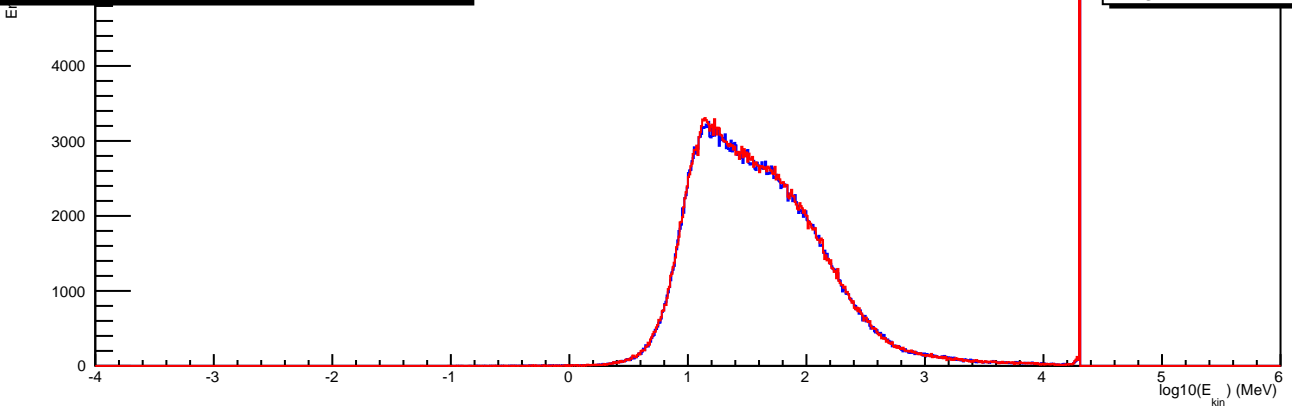
Entries	10
Mean	7.637
RMS	2.898



Kinetic Energy for proton

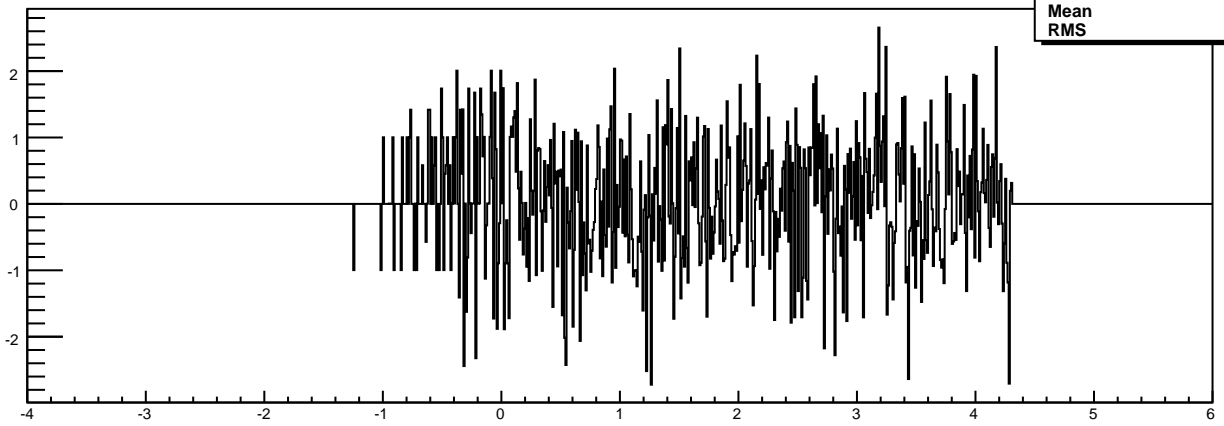
(p-val: 0.706892639925 Test: Binned1DChi2Test)

hProtonSpectrum	
Entries	402869
Mean	1.64
RMS	0.623



hProtonSpectrum Residuals

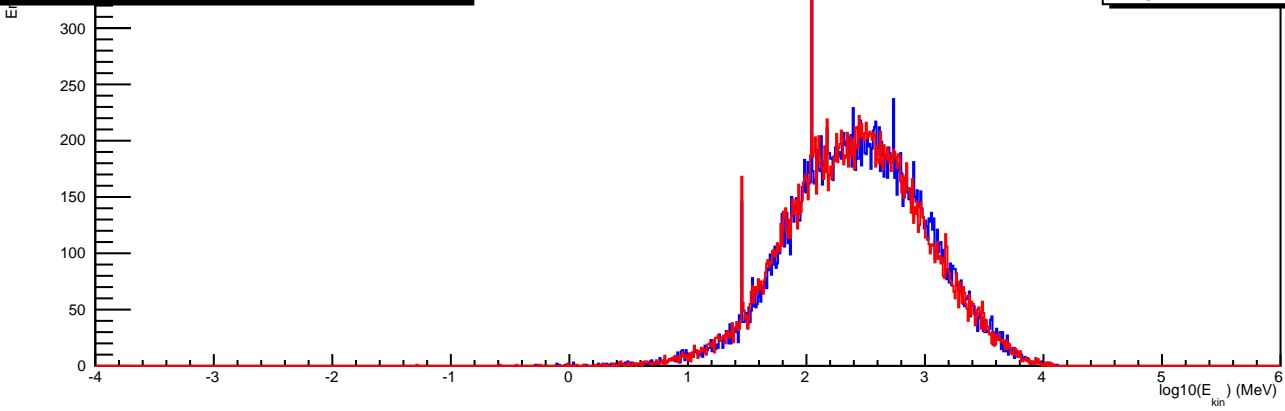
hProtonSpectrum-Residuals	
Entries	1000
Mean	1.525
RMS	1.904



Kinetic Energy for π^0 ESS

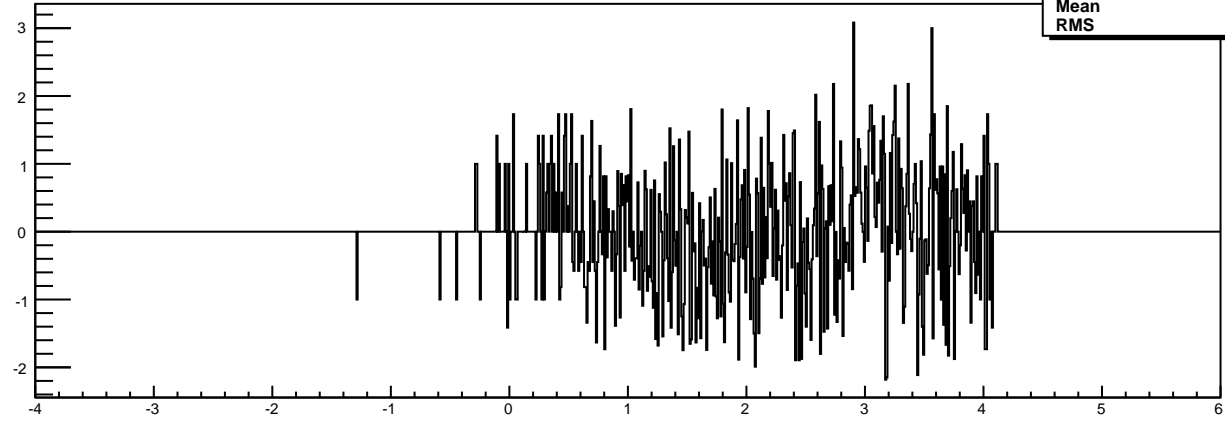
(p-val: 0.469470775649 Test: Binned1DChi2Test)

hPionZeroSpectrum	
Entries	29482
Mean	2.432
RMS	0.5658



hPionZeroSpectrum Residuals

hPionZeroSpectrum-Residuals	
Entries	1000
Mean	5.661
RMS	2.463

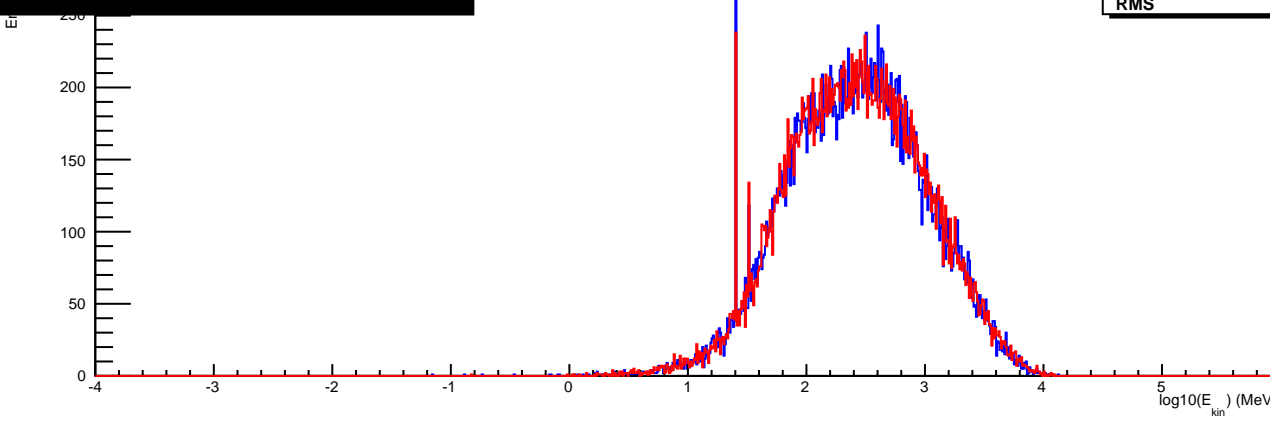


Kinetic Energy for π^- ESS

(p-val: 0.252297660035 Test: Binned1DChi2Test)

hPionMinusSpectrum

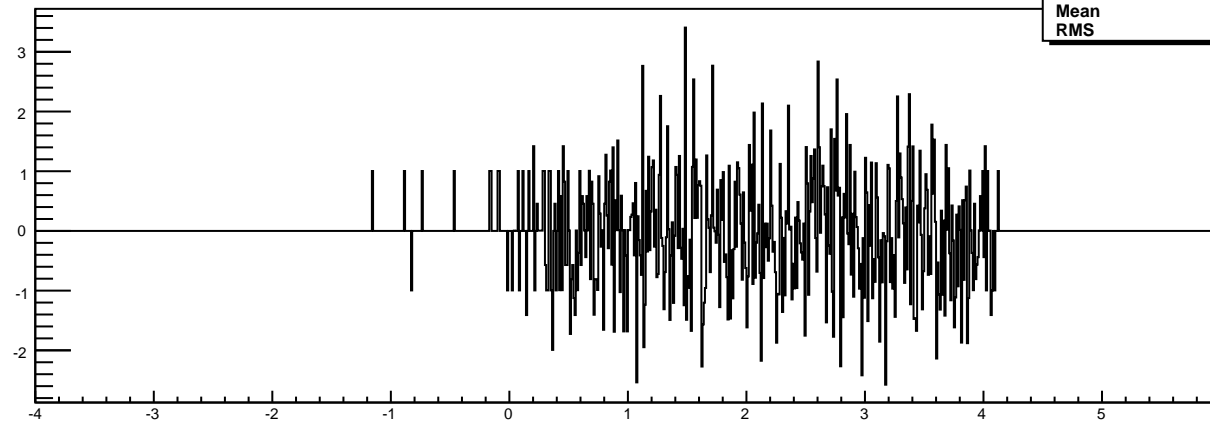
Entries	31674
Mean	2.414
RMS	0.5778



hPionMinusSpectrum Residuals

hPionMinusSpectrum-Residuals

Entries	1000
Mean	4.538
RMS	2.276

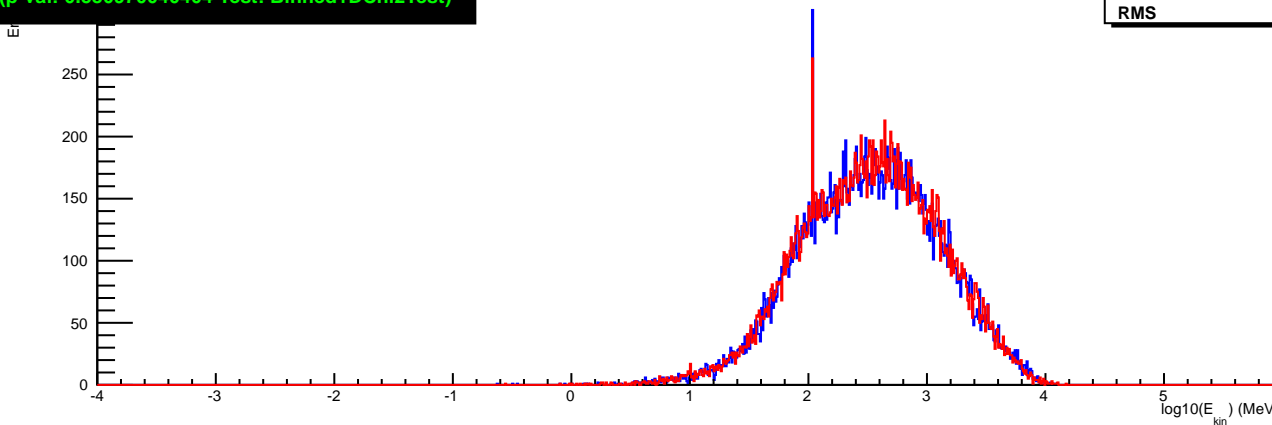


Kinetic Energy for π^+ ESS

(p-val: 0.580970040404 Test: Binned1DChi2Test)

hPionPlusSpectrum

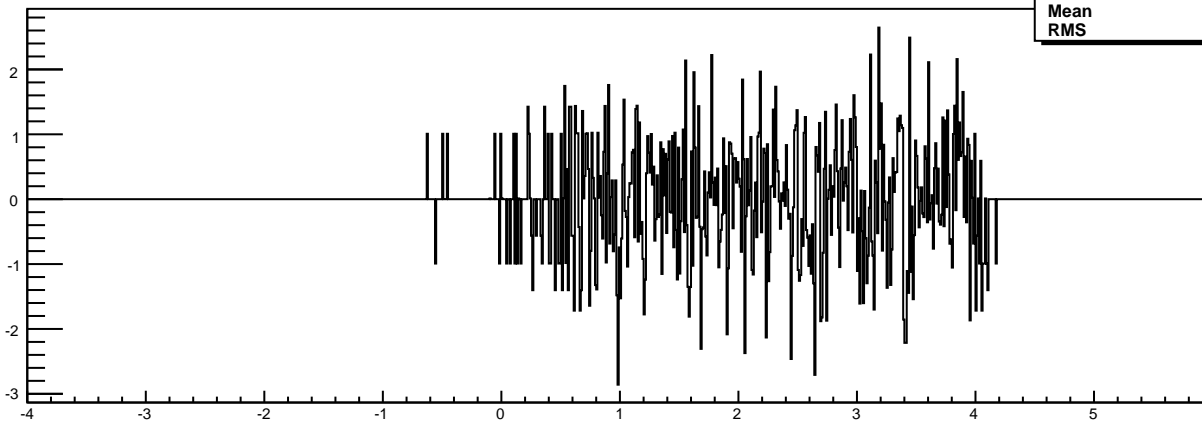
Entries	27015
Mean	2.519
RMS	0.5829



hPionPlusSpectrum Residuals

hPionPlusSpectrum-Residuals

Entries	1000
Mean	1.453
RMS	0.8425

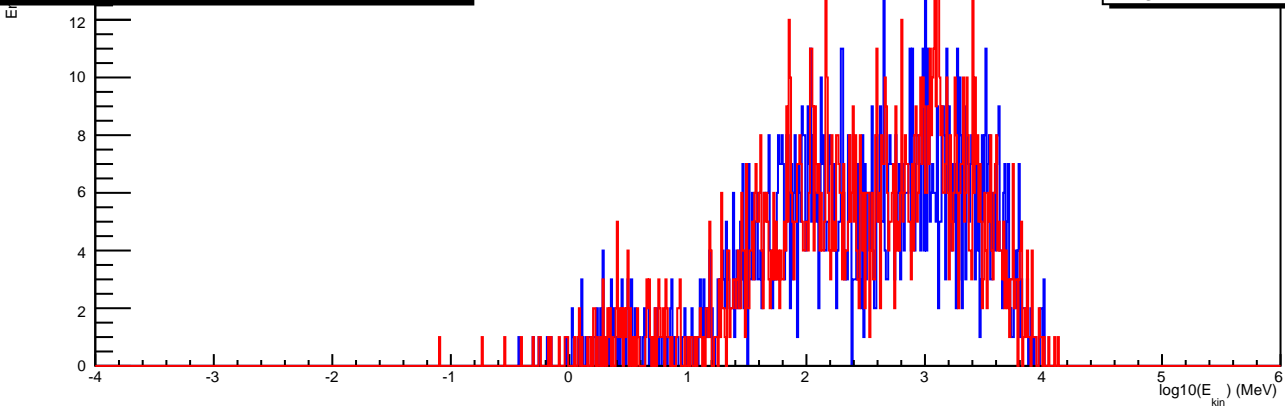


Kinetic Energy for K^+ \pm SS

(p-val: 0.513062087854 Test: Binned1DChi2Test)

hKaonPlusSpectrum

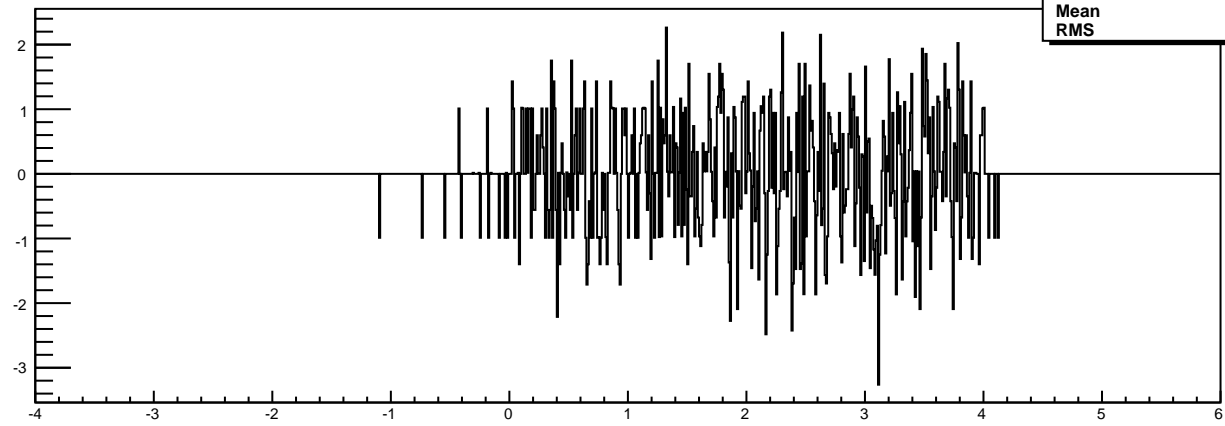
Entries	1545
Mean	2.465
RMS	0.8684



hKaonPlusSpectrum Residuals

hKaonPlusSpectrum-Residuals

Entries	1000
Mean	-7.829
RMS	6.943



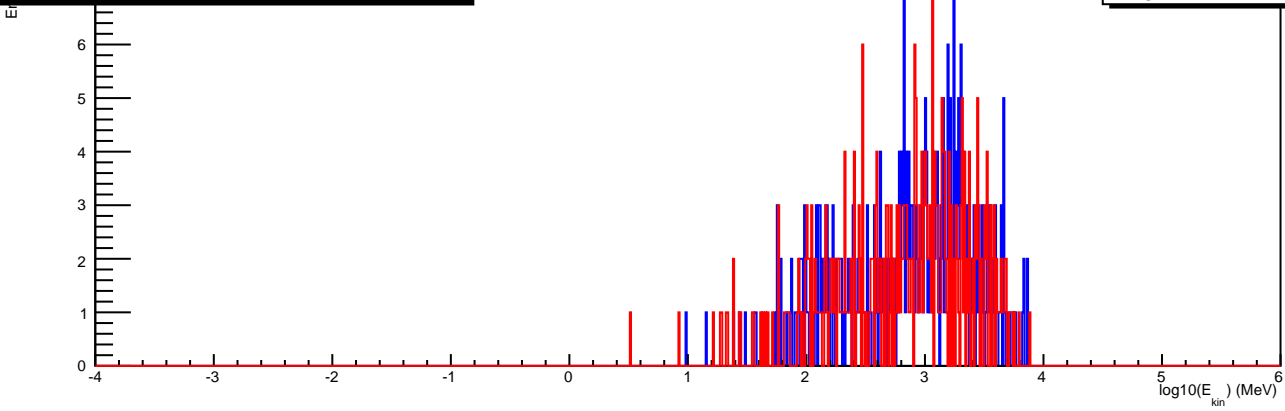
Kinetic Energy for K⁺

ESS

(p-val: 0.19283957456 Test: Binned1DChi2Test)

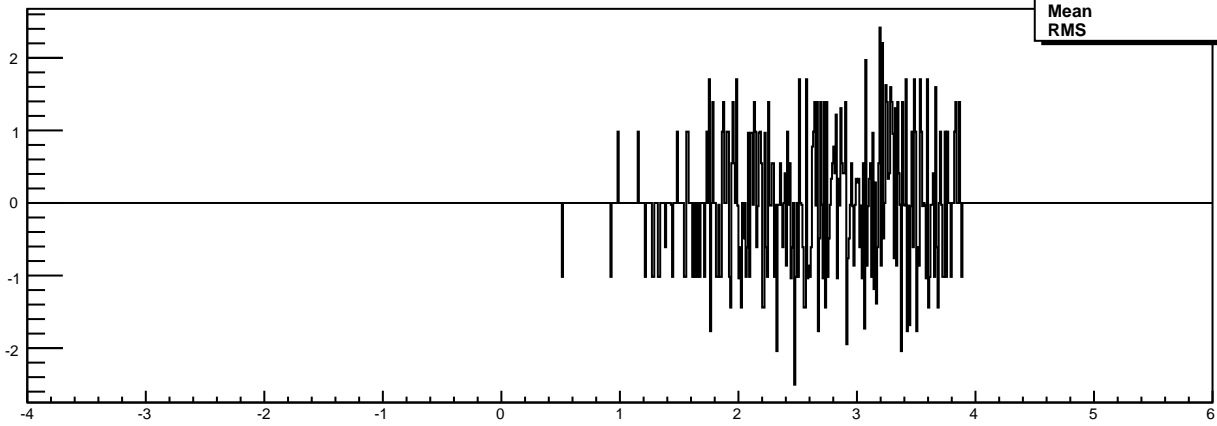
hKaonMinusSpectrum

Entries	347
Mean	2.854
RMS	0.5529



hKaonMinusSpectrum Residuals

hKaonMinusSpectrum-Residuals	
Entries	1000
Mean	-1.266
RMS	3.547

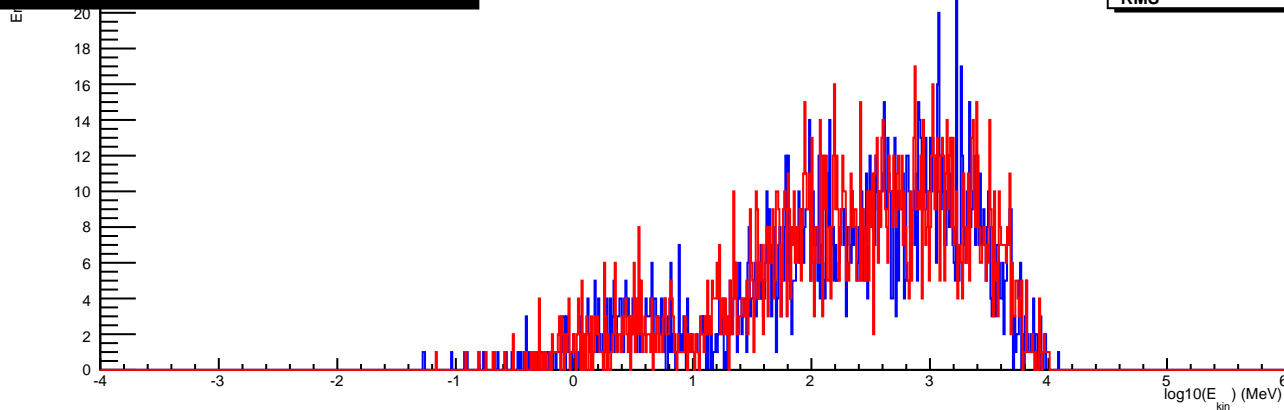


Kinetic Energy for K_L^0/K_S^0

(p-val. 0.999691961969 Test: Binned1DChi2Test)

hKaonZeroSpectrum

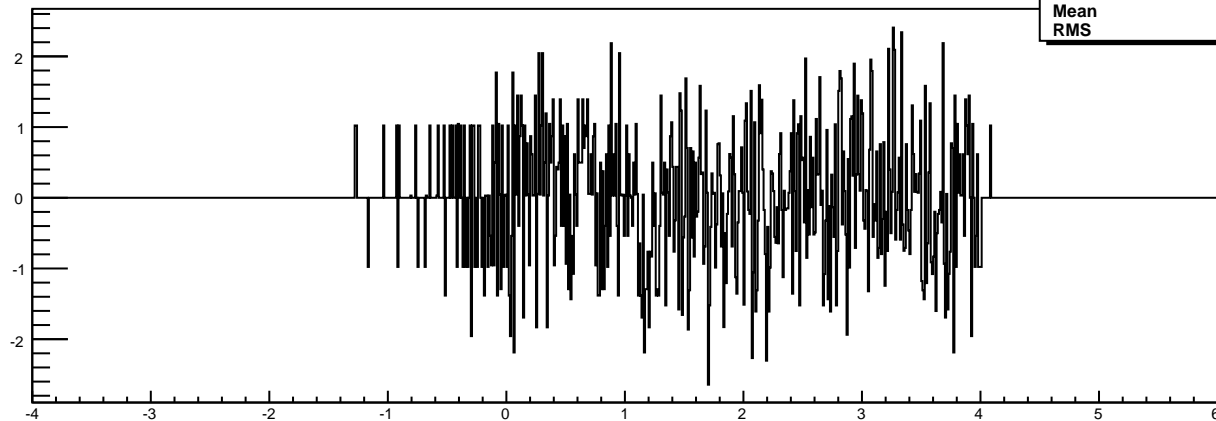
Entries	2214
Mean	2.329
RMS	0.9835



hKaonZeroSpectrum Residuals

hKaonZeroSpectrum-Residuals

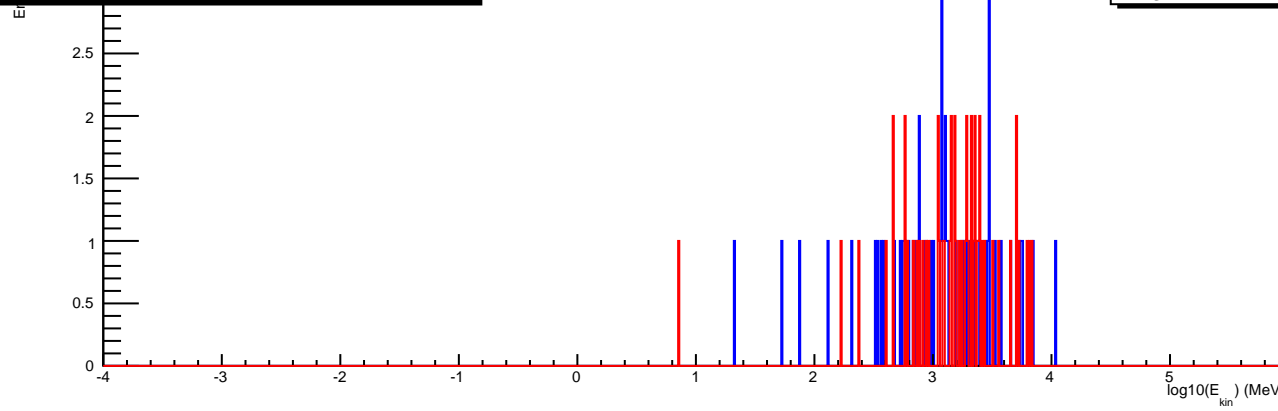
Entries	1000
Mean	-2.835
RMS	3.024



Kinetic Energy for \bar{p} :ESS

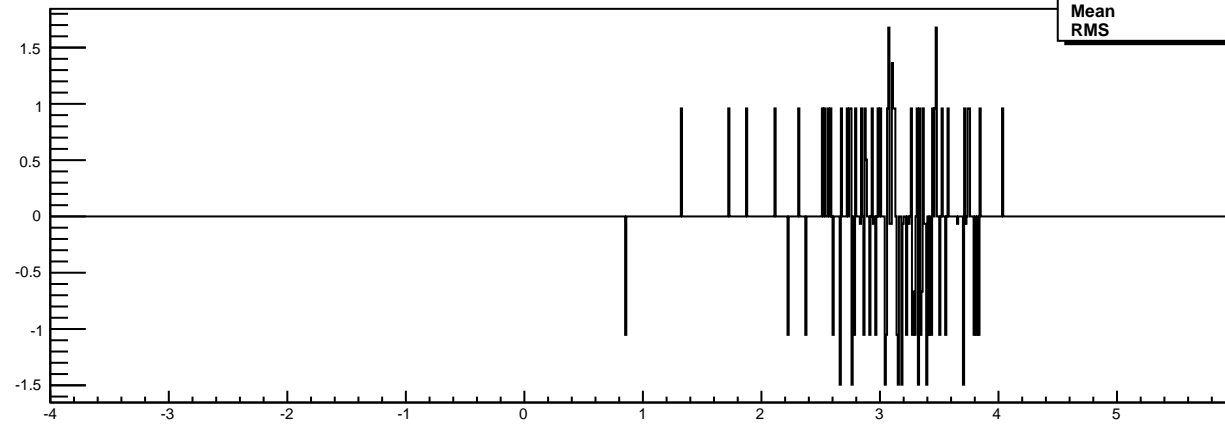
(p-val: 0.418345005106 Test: Binned1DChi2Test)

hAntiProtonSpectrum	
Entries	57
Mean	3.06
RMS	0.5166



hAntiProtonSpectrum Residuals

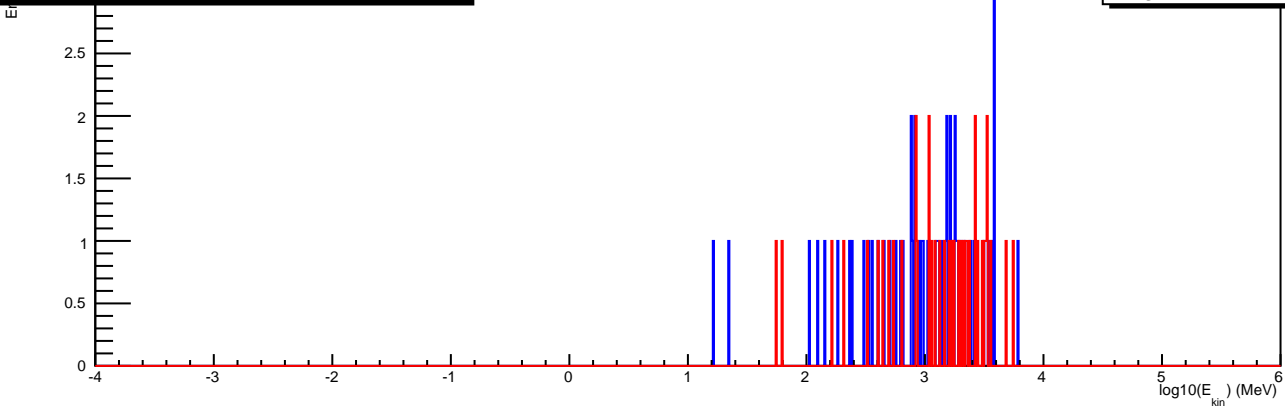
hAntiProtonSpectrum-Residuals	
Entries	1000
Mean	1.506
RMS	1.279



Kinetic Energy for \bar{n} >ESS

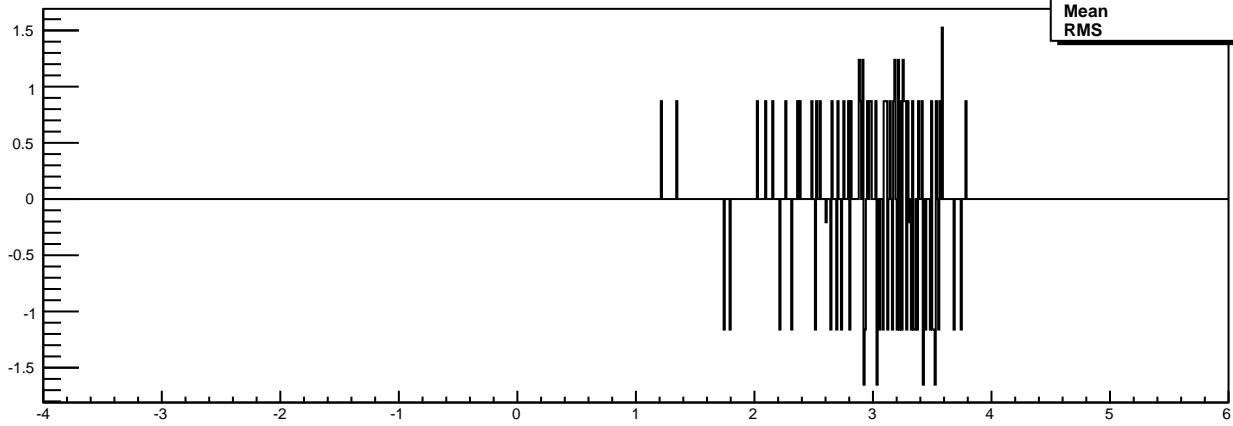
(p-val: 0.206002300261 Test: Binned1DChi2Test)

hAntiNeutronSpectrum	
Entries	52
Mean	2.938
RMS	0.5274



hAntiNeutronSpectrum Residuals

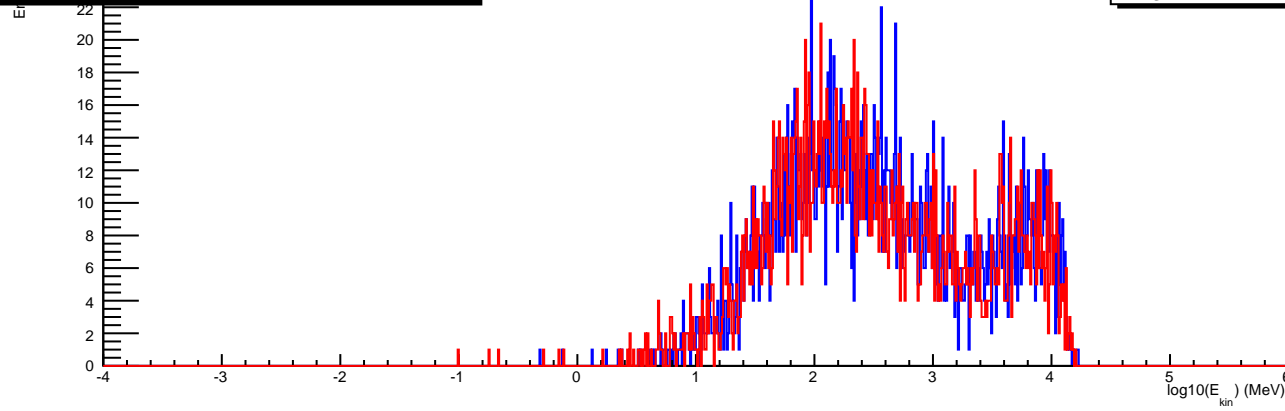
hAntiNeutronSpectrum-Residuals	
Entries	1000
Mean	11.5
RMS	8.678



Kinetic Energy for Hyperons

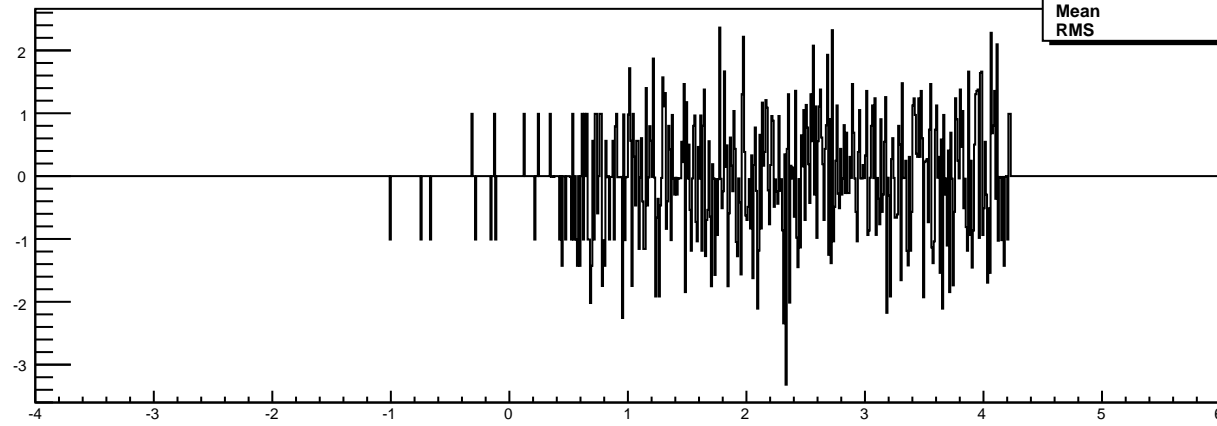
(p-val: 0.705710343248 Test: Binned1DChi2Test)

hHyperonsSpectrum	
Entries	2697
Mean	2.545
RMS	0.83



hHyperonsSpectrum Residuals

hHyperonsSpectrum-Residuals	
Entries	1000
Mean	-1.828
RMS	3.383

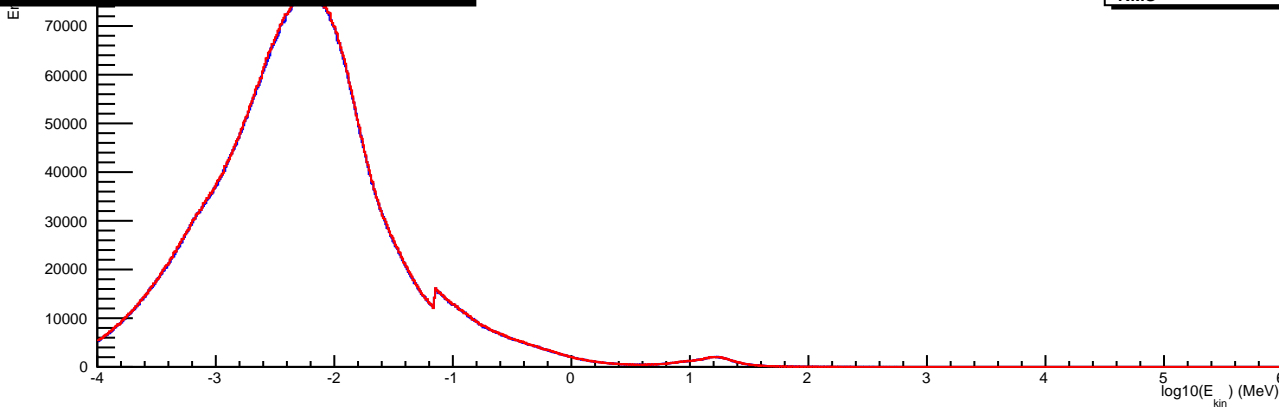


Kinetic Energy for Nuclei

(p-val: 0.368628783289 Test: Binned1DChi2Test)

hNucleiSpectrum

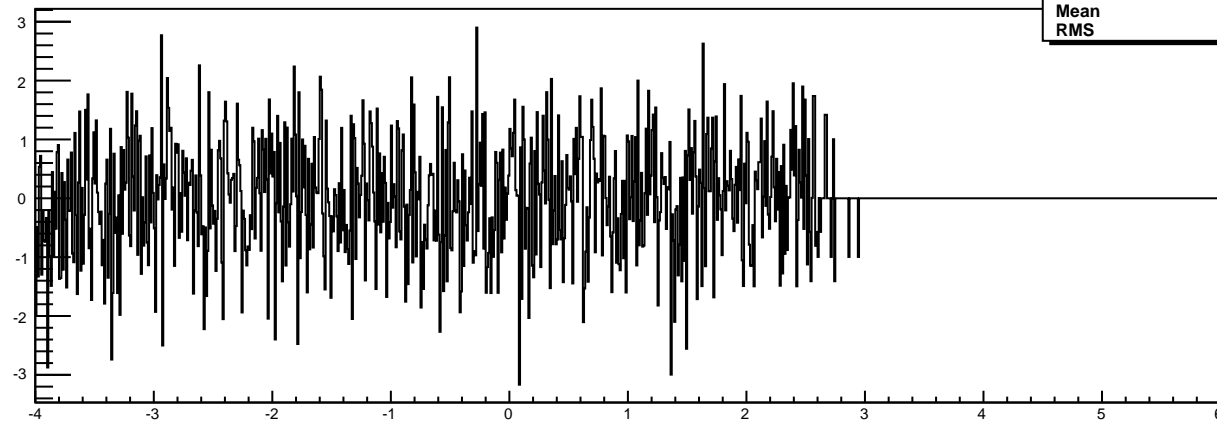
Entries	1.223145e+07
Mean	-2.242
RMS	0.8037



hNucleiSpectrum Residuals

hNucleiSpectrum-Residuals

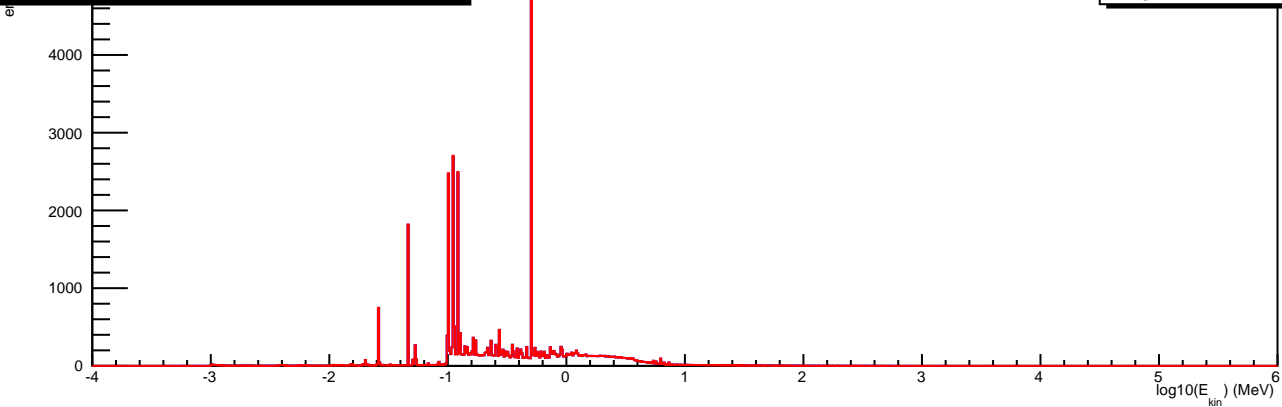
Entries	1000
Mean	-58.55
RMS	57.51



Kinetic Energy for γ \SSSED

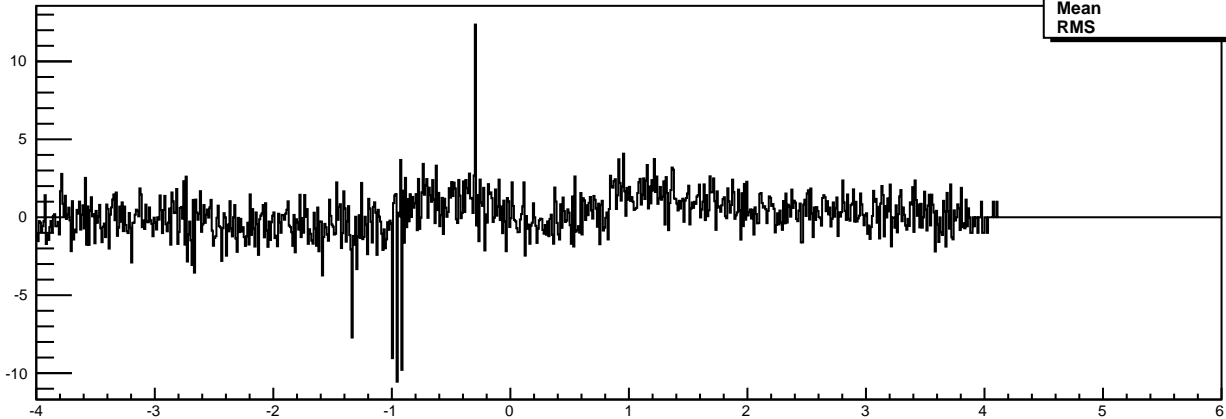
(p-val: 3.97988599279e-63 Test: Binned1DChi2Test)

hGammaSpectrum	
Entries	4.35652e+07
Mean	-0.4708
RMS	0.6518



hGammaSpectrum Residuals

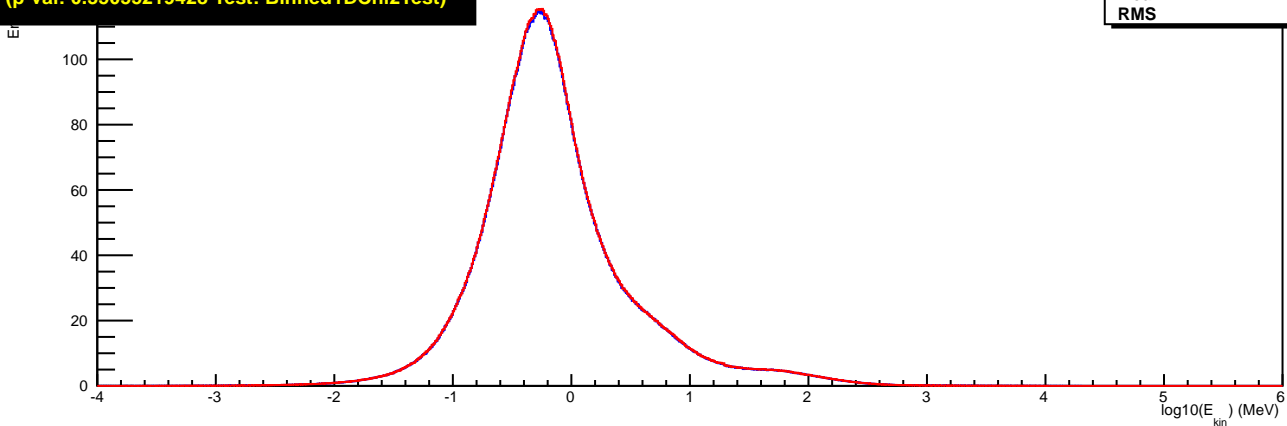
hGammaSpectrum-Residuals	
Entries	1000
Mean	3.453
RMS	3.309



Kinetic Energy for neutron

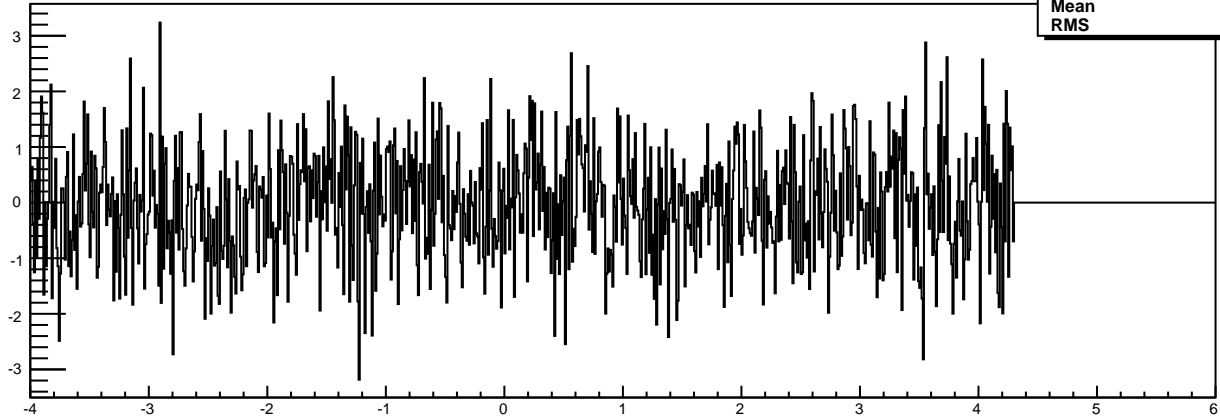
(p-val: 0.35055219428 Test: Binned1DChi2Test)

hNeutronSpectrum	
Entries	1.242023e+07
Mean	-0.1377
RMS	0.65



hNeutronSpectrum Residuals

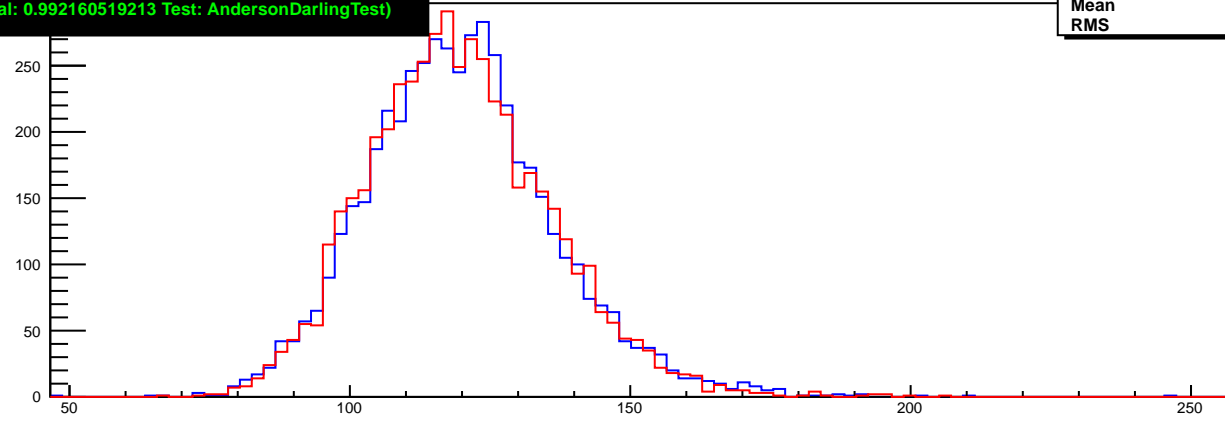
hNeutronSpectrum-Residuals	
Entries	1000
Mean	-2.028
RMS	1.827



SimplifiedCalorimeter:EDEP_ACT

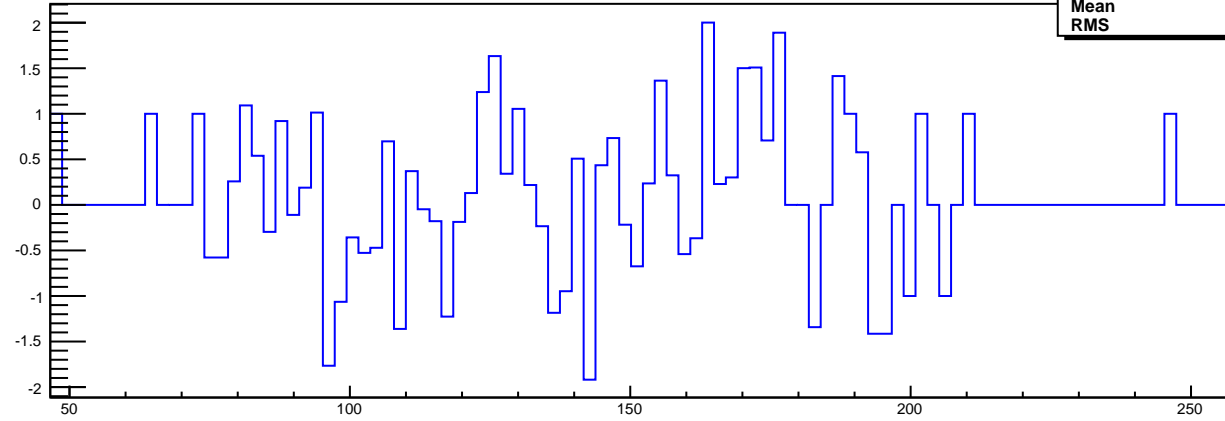
(p-val: 0.992160519213 Test: AndersonDarlingTest)

SimplifiedCalorimeter:EDEP_ACT	
Entries	5000
Mean	119.9
RMS	16.75



Residuals

SimplifiedCalorimeter:EDEP_ACT-Residuals	
Entries	66
Mean	151.7
RMS	58.19

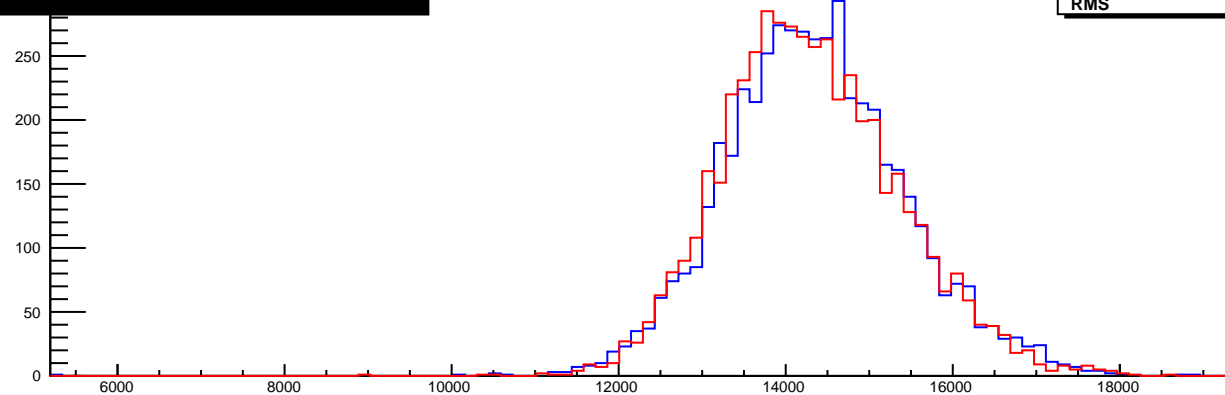


SimplifiedCalorimeter:EDEP_CAL

(p-val: 0.974713467295 Test: AndersonDarlingTest)

SimplifiedCalorimeter:EDEP_CAL

Entries	5000
Mean	1.435e+04
RMS	1077



Residuals

SimplifiedCalorimeter:EDEP_CAL-Residuals

Entries	60
Mean	1.5e+04
RMS	4362

