

QA plots for ep collision at 18*275 GeV energy

Supervisor -
Dr. Kavita Lalwani

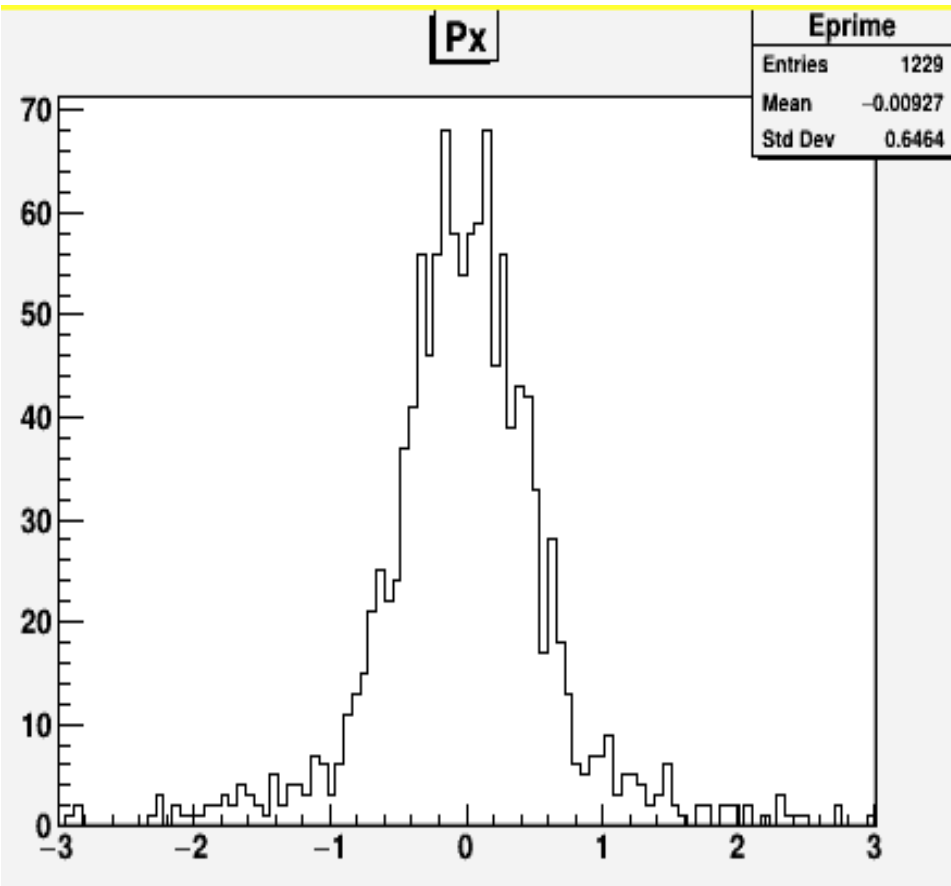
Submitted by-
Chitranshi Bakshi
Priyanka Boora

Key points

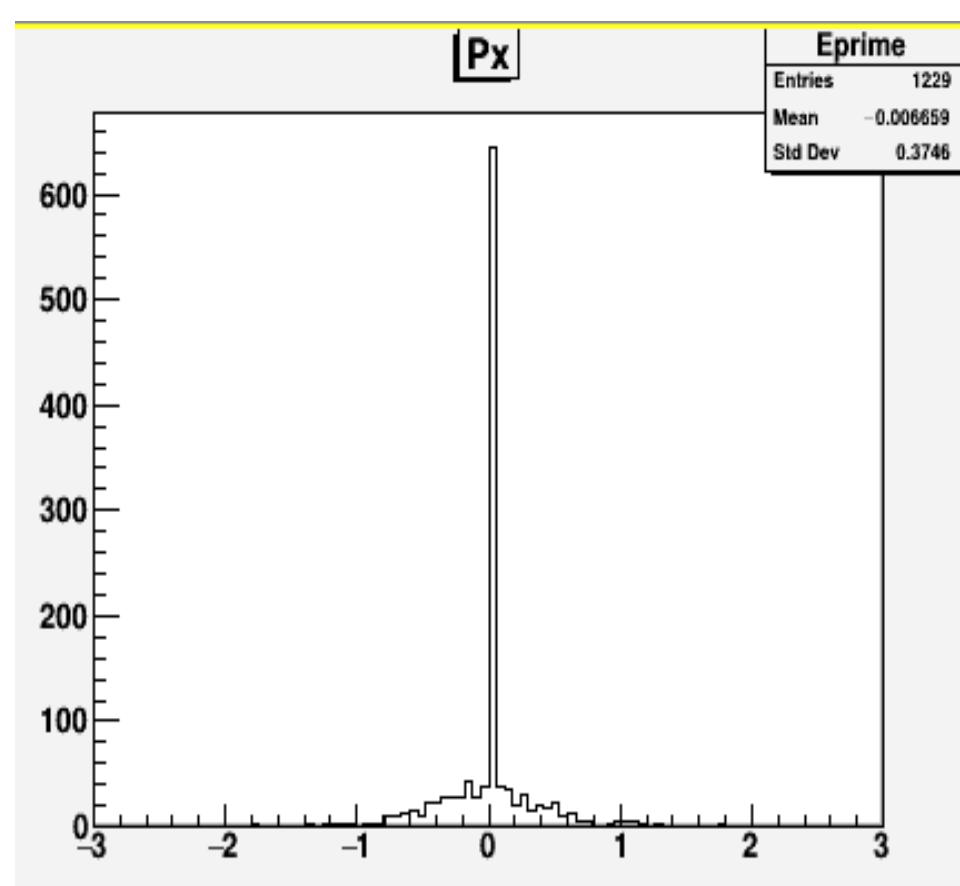
- We used proton, electron beam collision with energies 275 , 18 GeV respectively.
- Applying physics cuts mainly for vector meson production i.e. photoproduction of J/psi and decaying by electroproduction into $e^+e^-/\mu^+\mu^-$ using S channel helicity conservation.
 - I. Q^2 Min =1
 - II. p_T max = 1.5
 - III. Weak Boson exchange ff^2ff
 - IV. Multi parton interaction on.

1D Px plot

Un-smearred particles

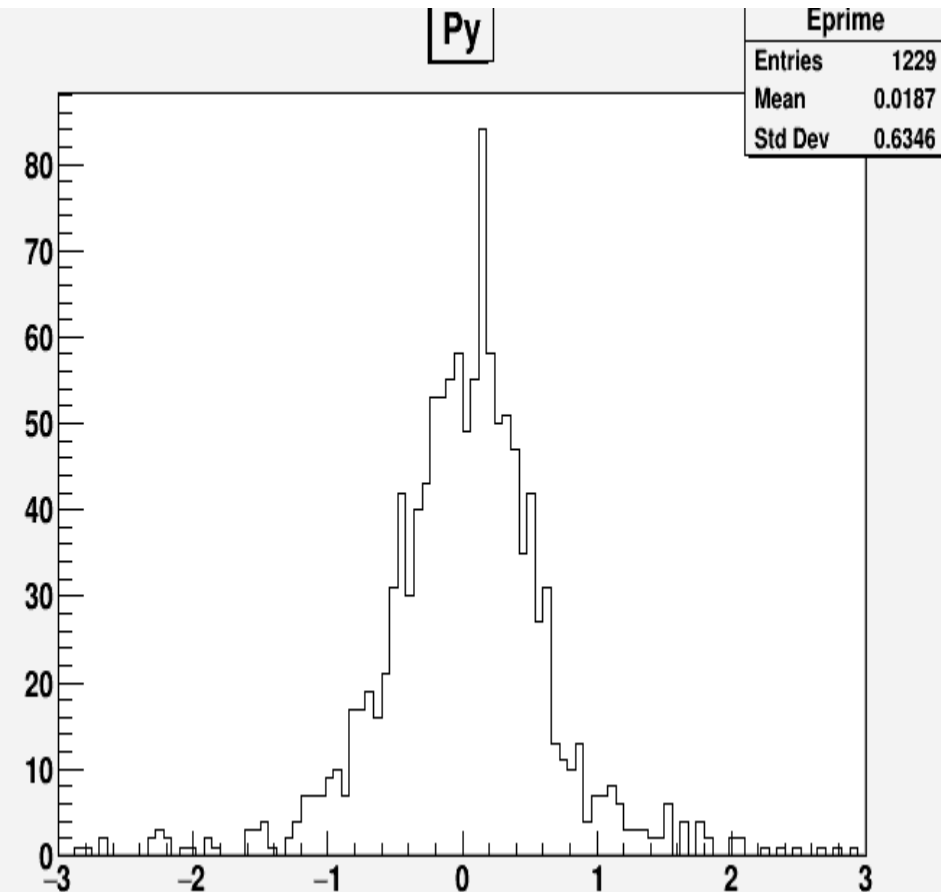


Smearred particles

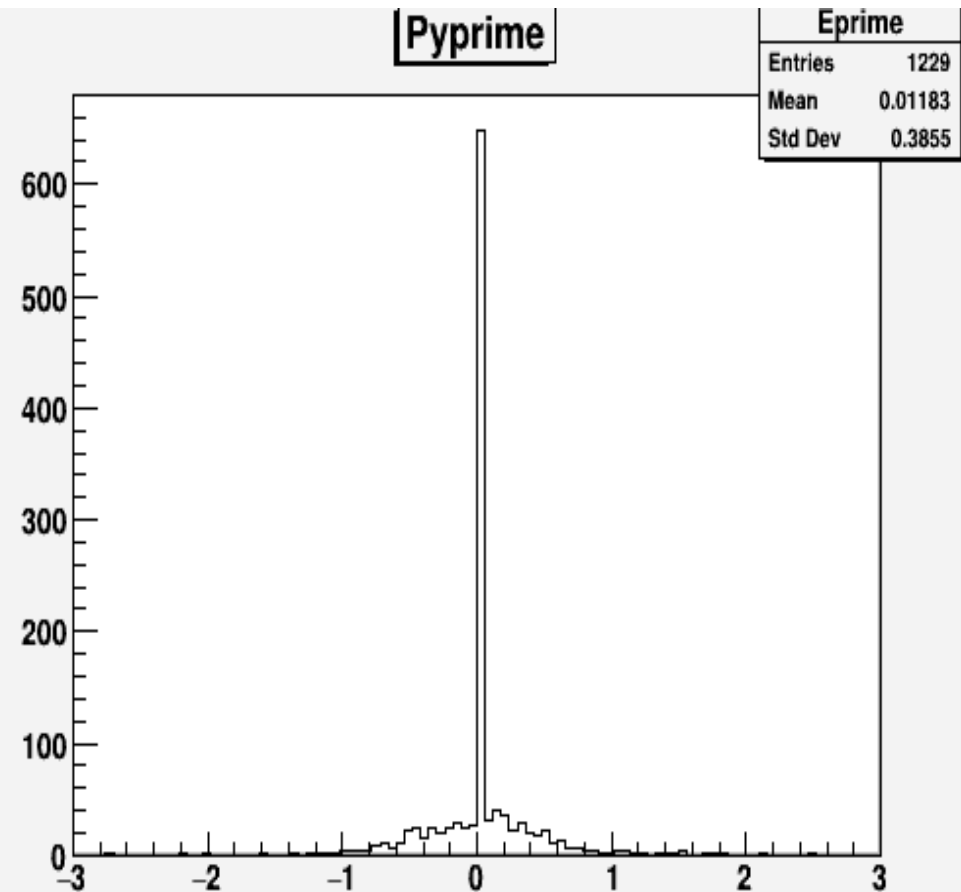


1D Py plot

Un-smearred particles

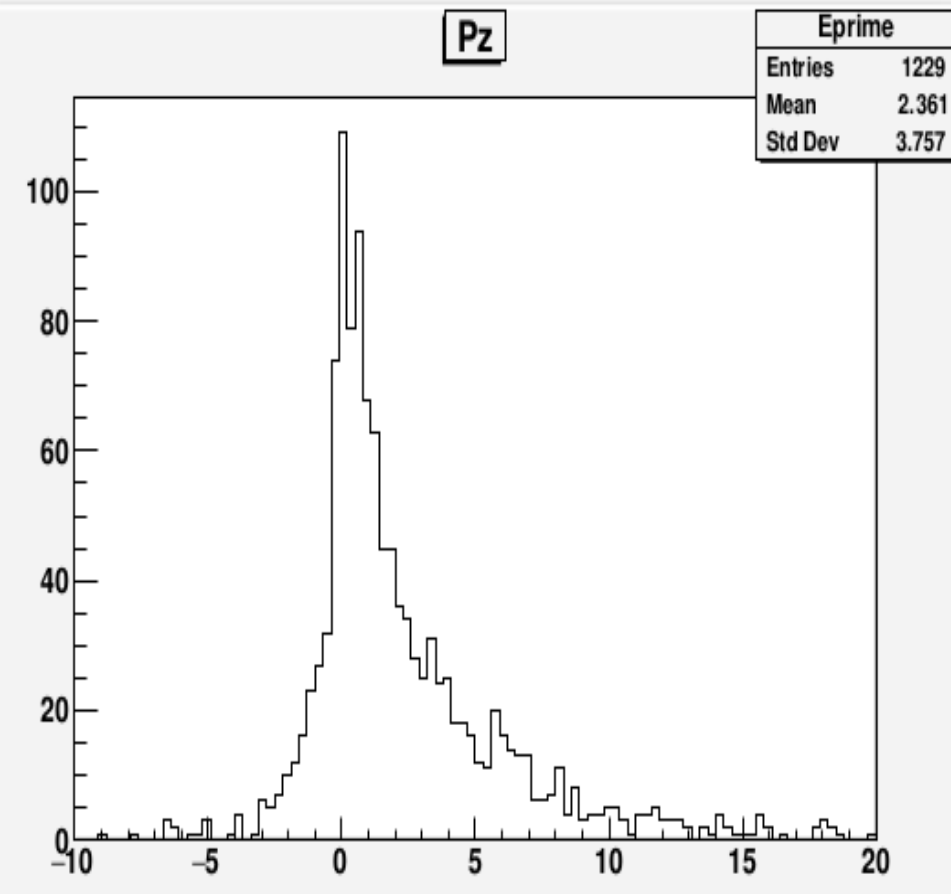


Smearred particles

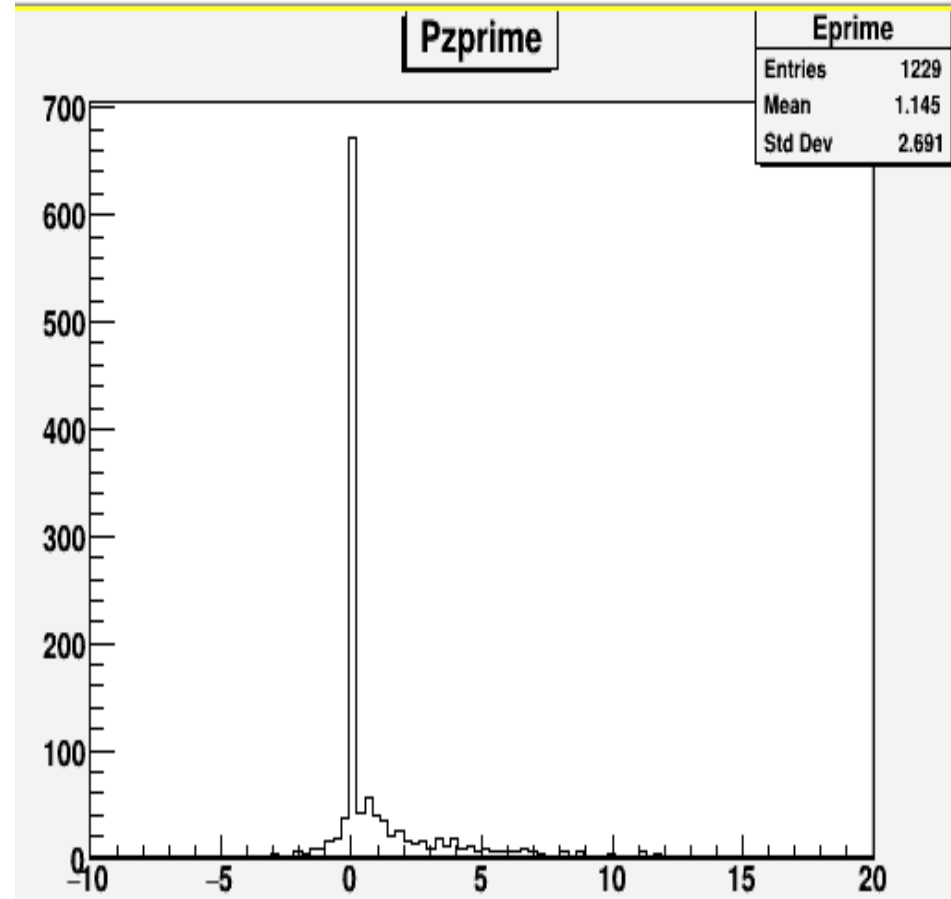


1D Pz plot

Un-smearred particles

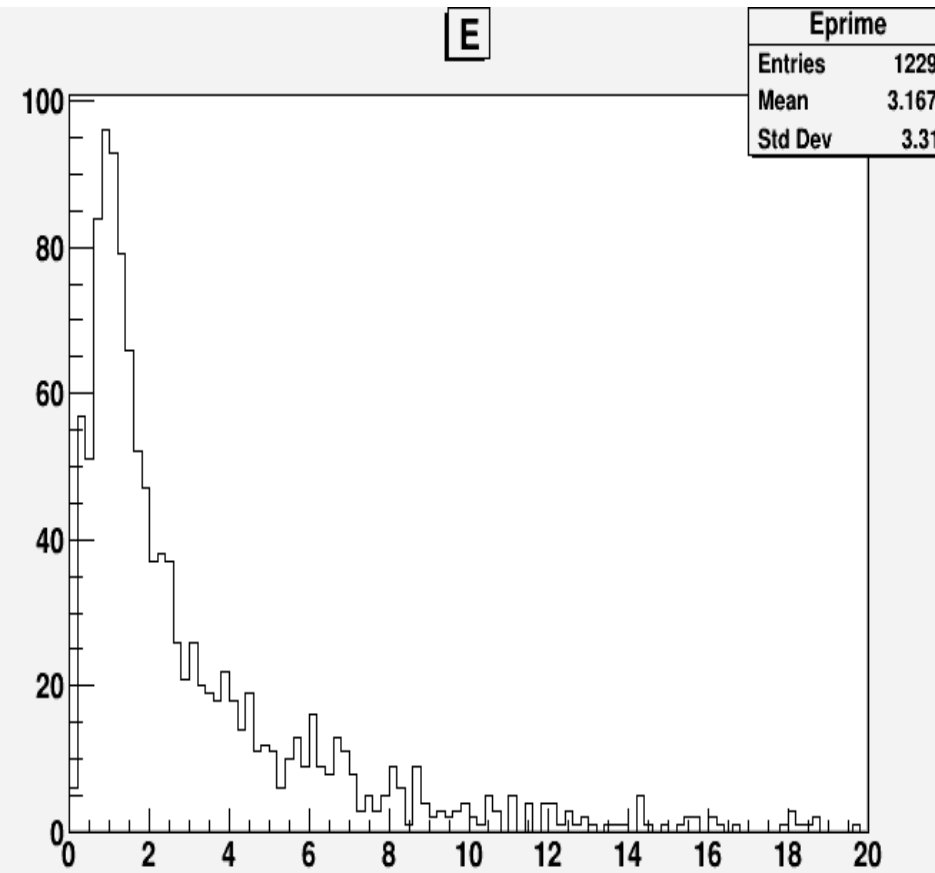


Smearred Particles

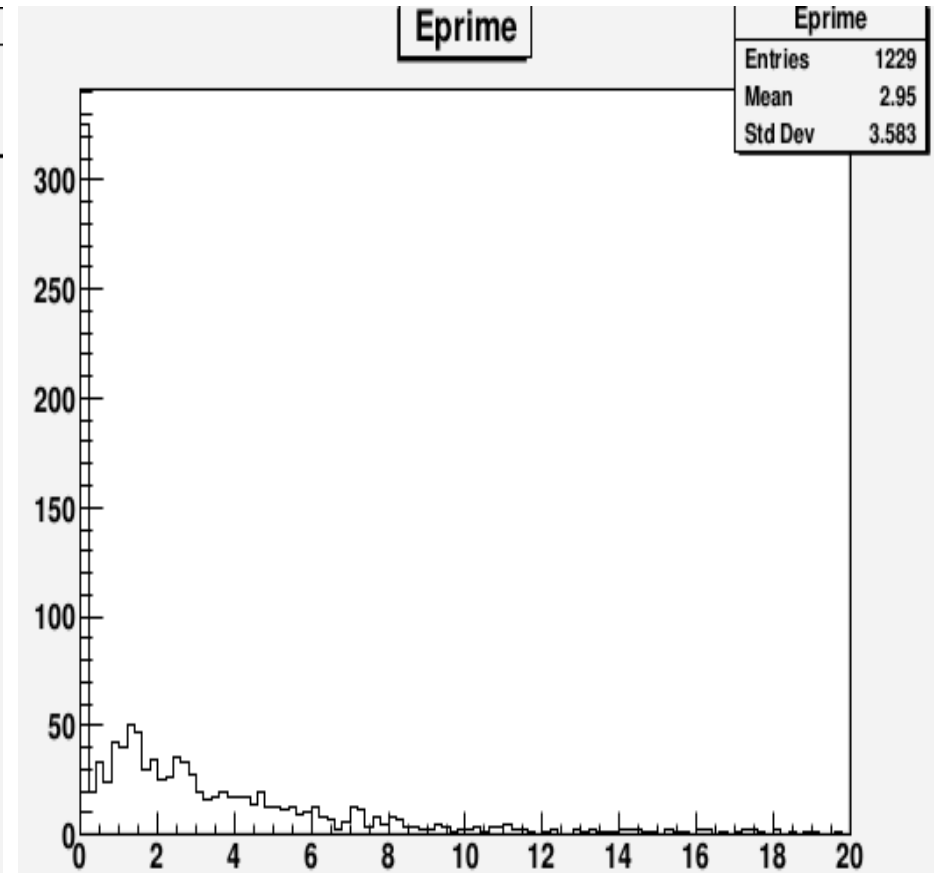


1D plot of Energy

Un-smearred particles

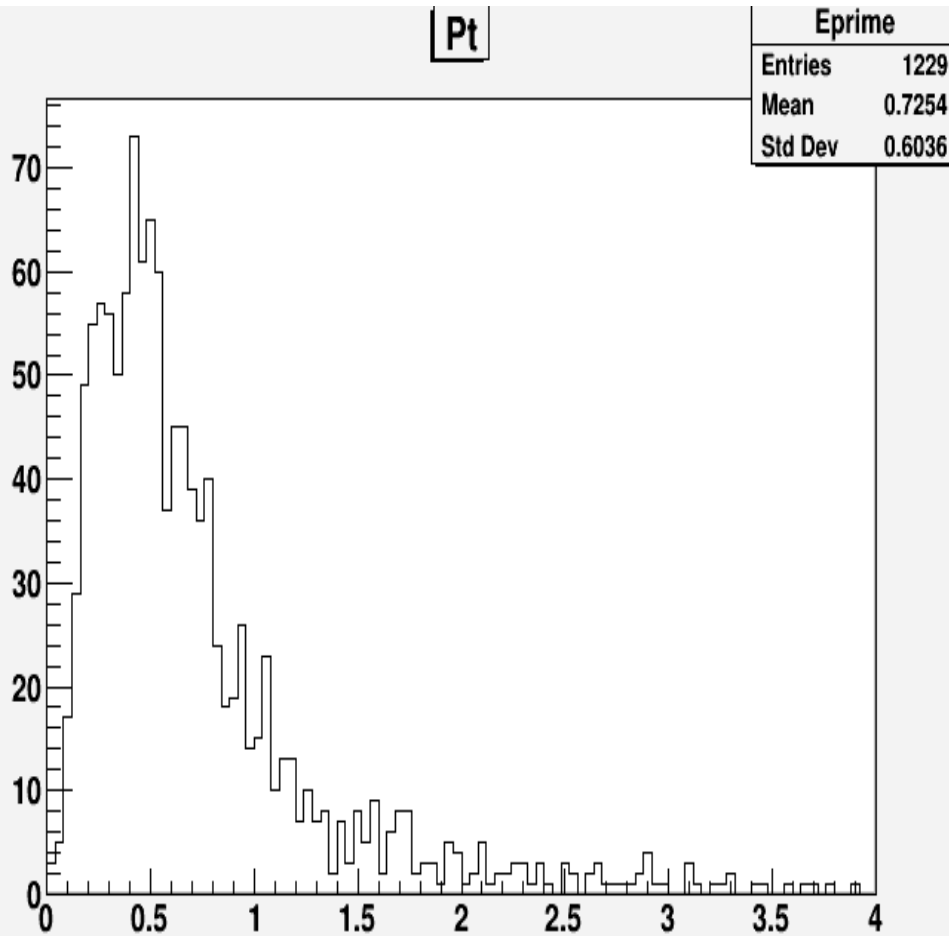


Smearred particles

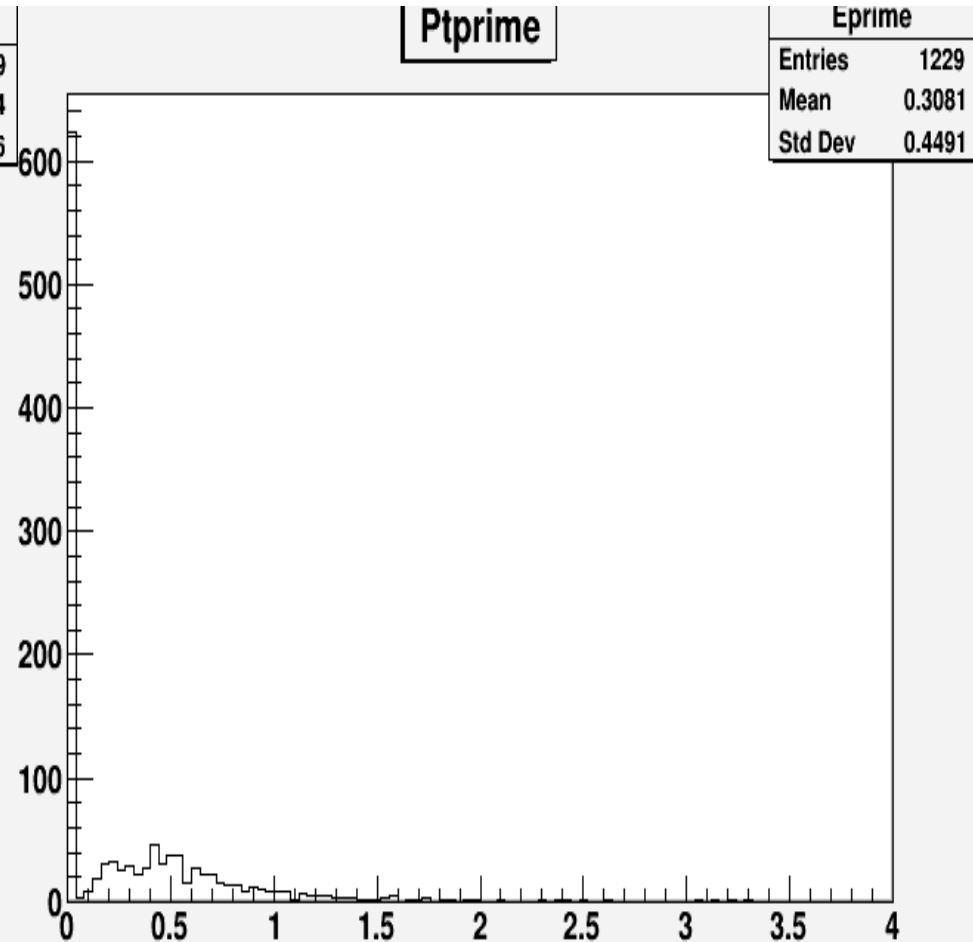


1D plot of transverse momentum p_T

Un-smearred

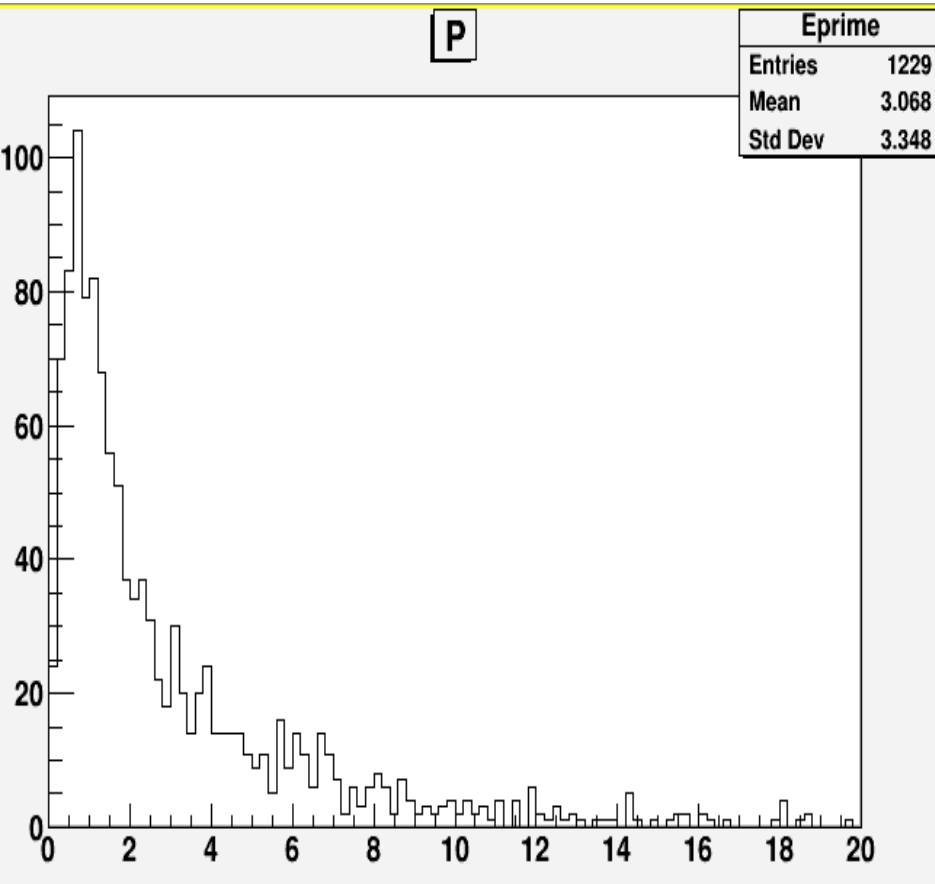


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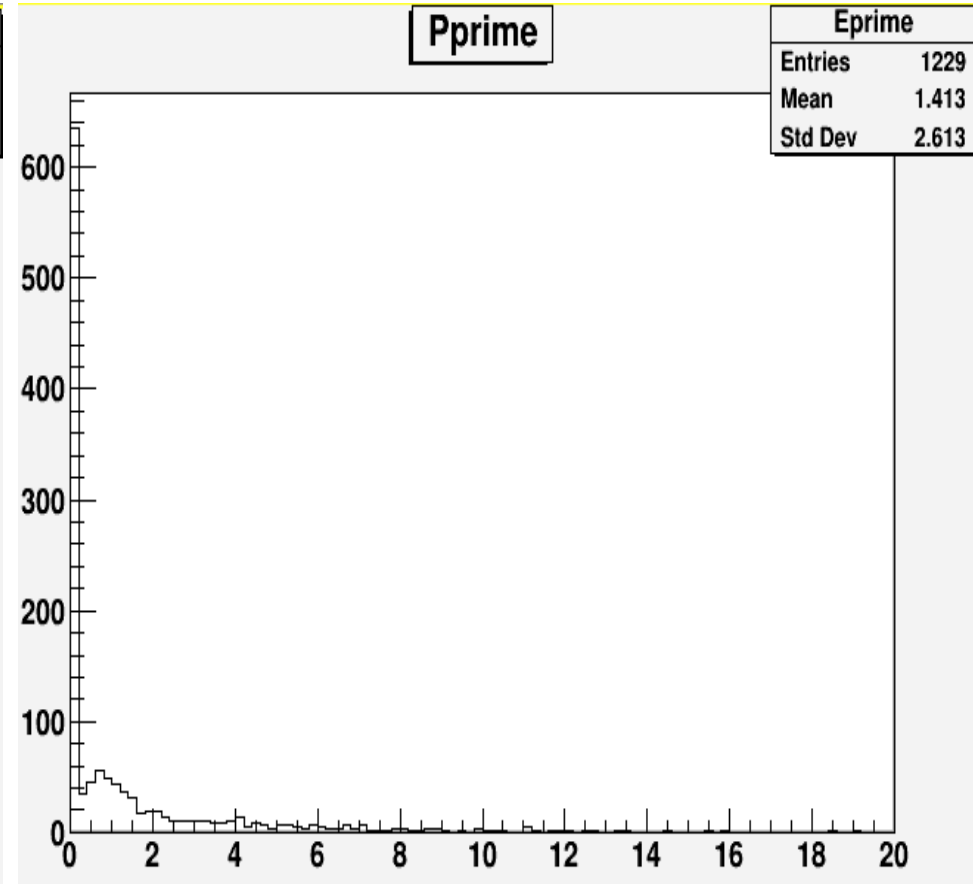


1D plot of total momentum P

Un-smearred

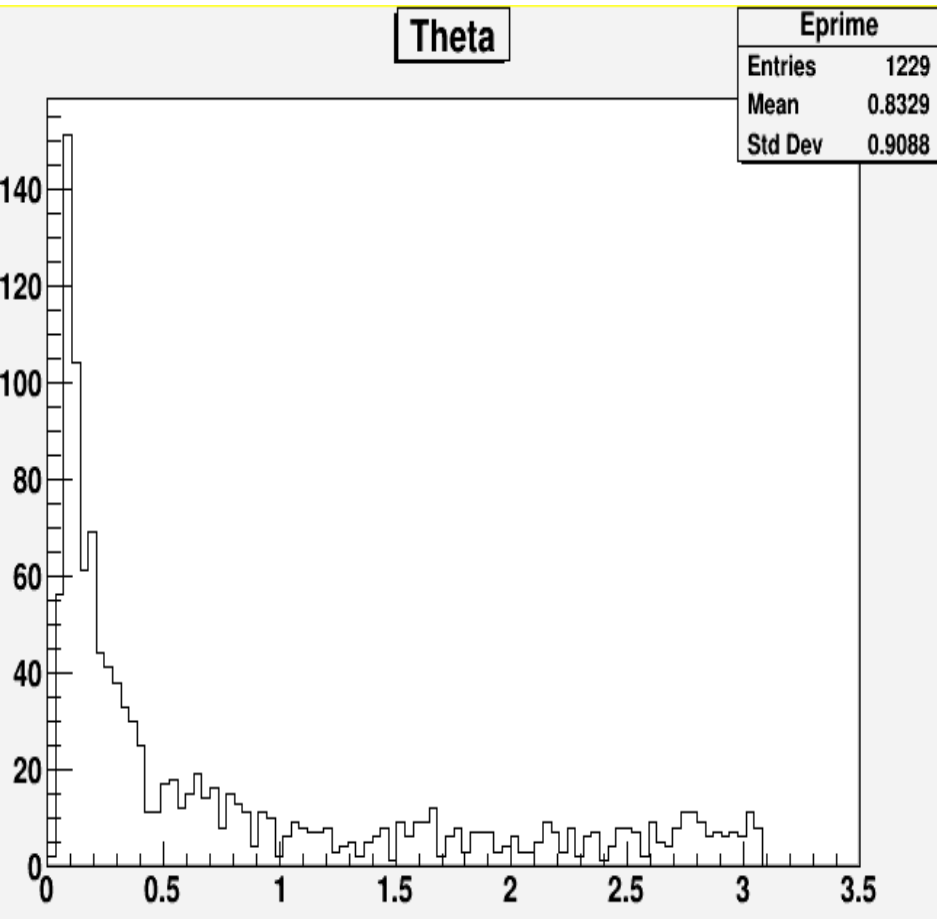


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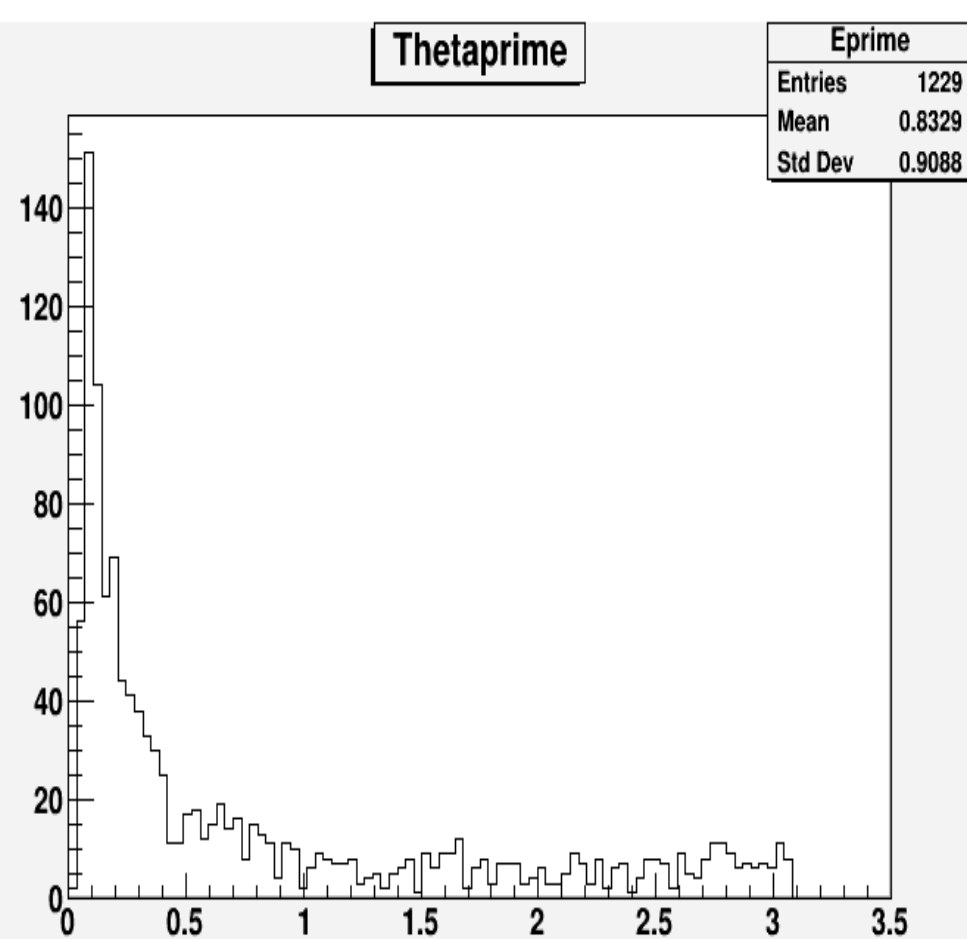


1D plot of theta

Un-smearred

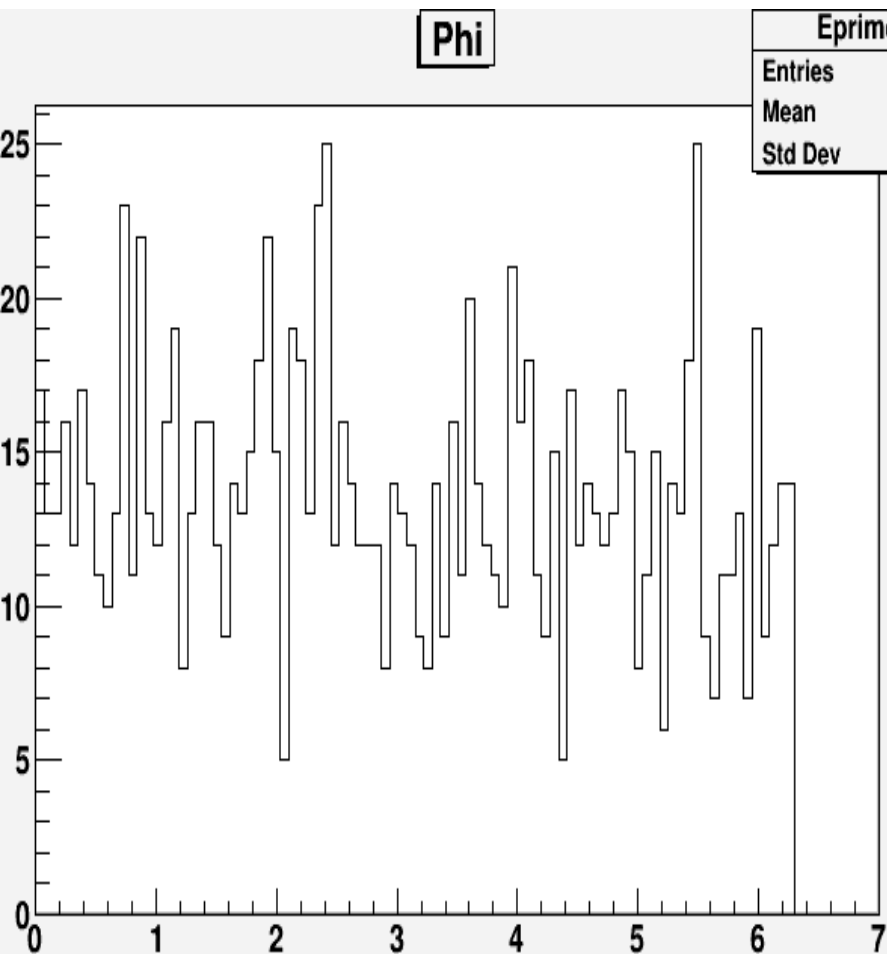


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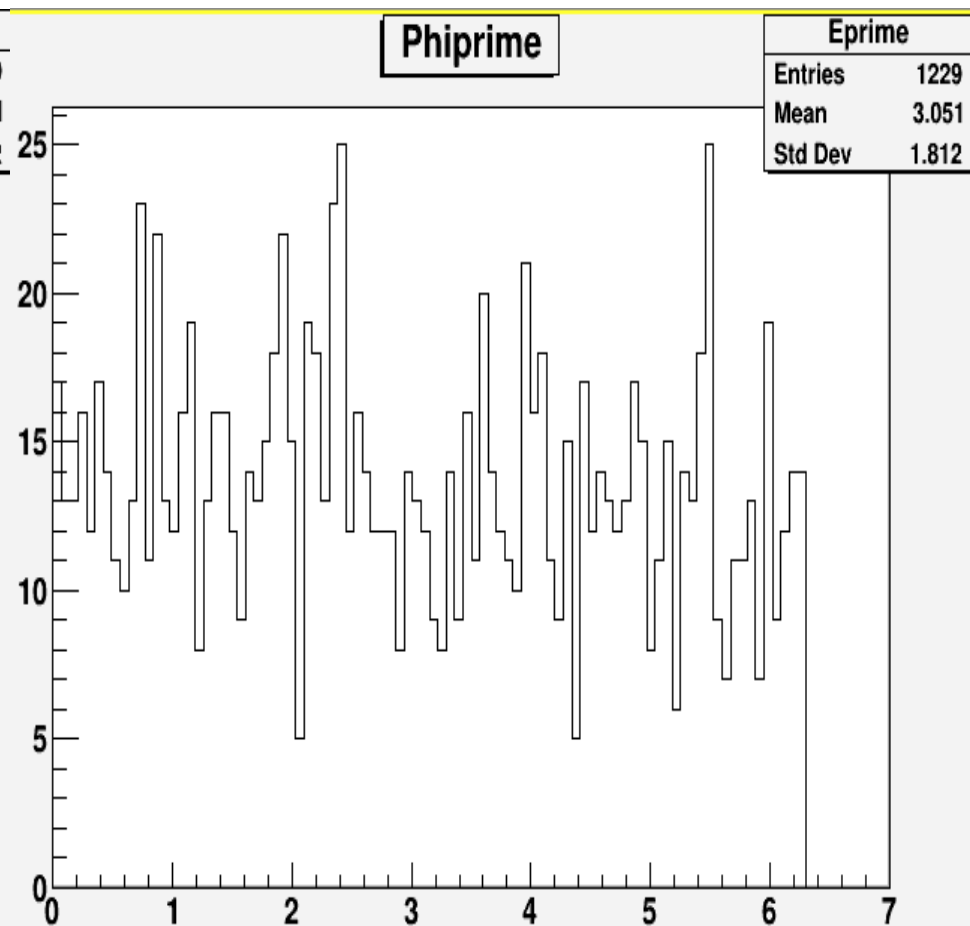


1D plot of scattering angle phi

Un-smearred

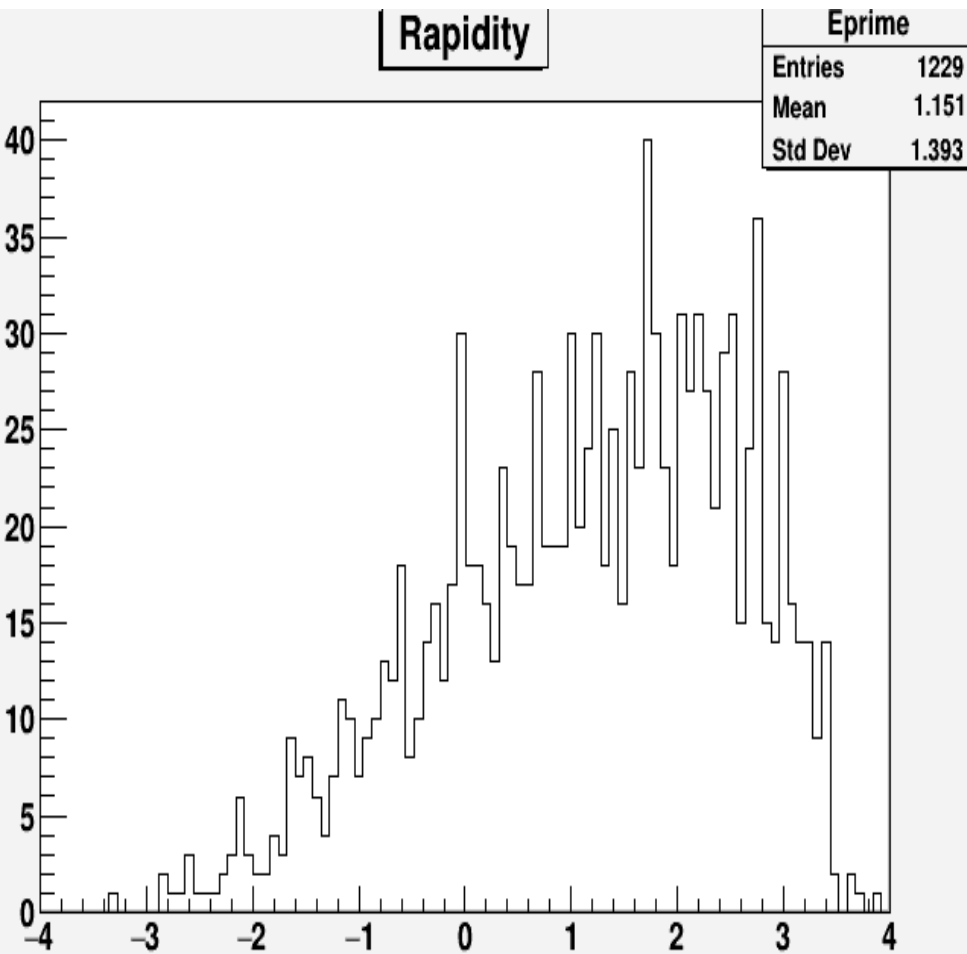


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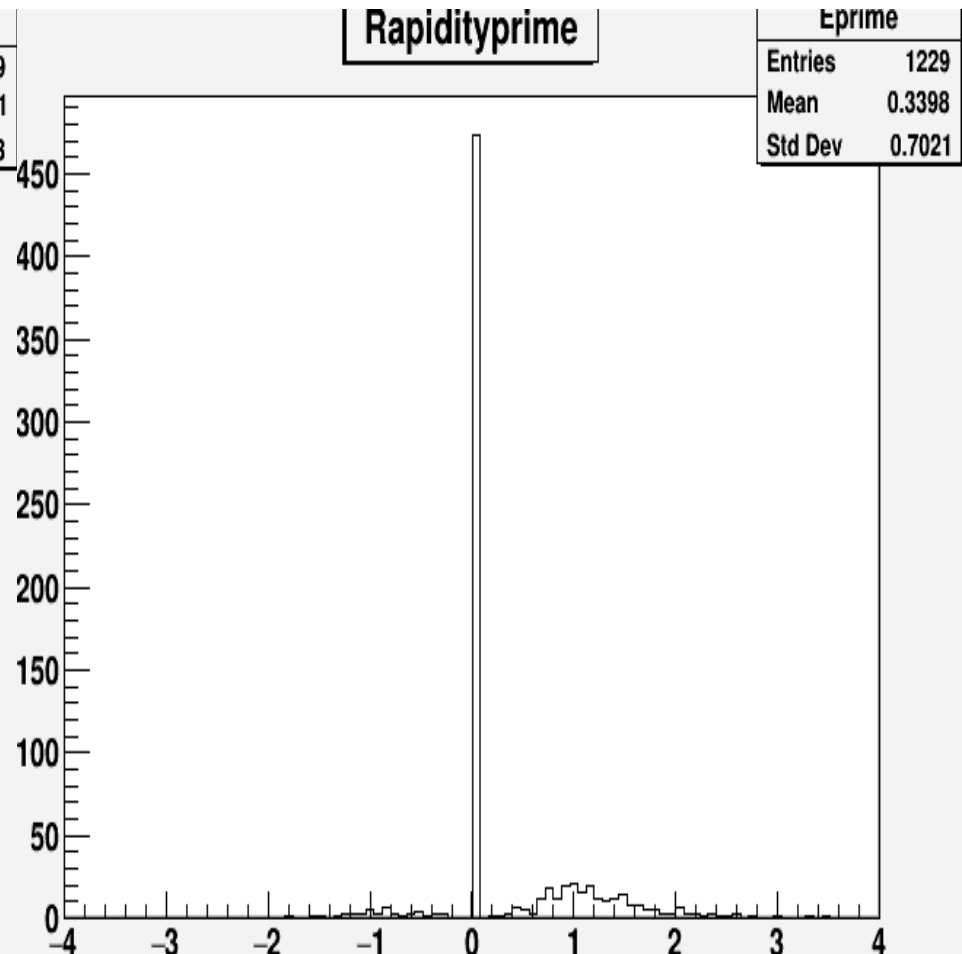


1D plot of rapidity

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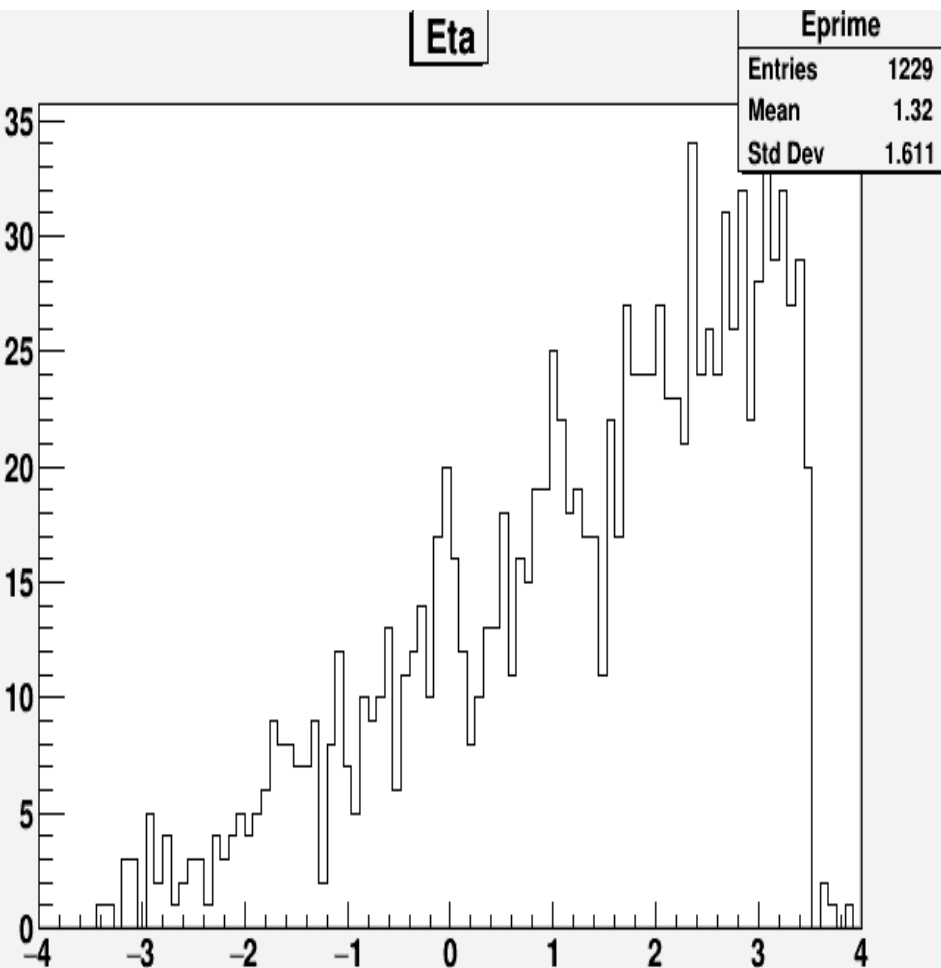


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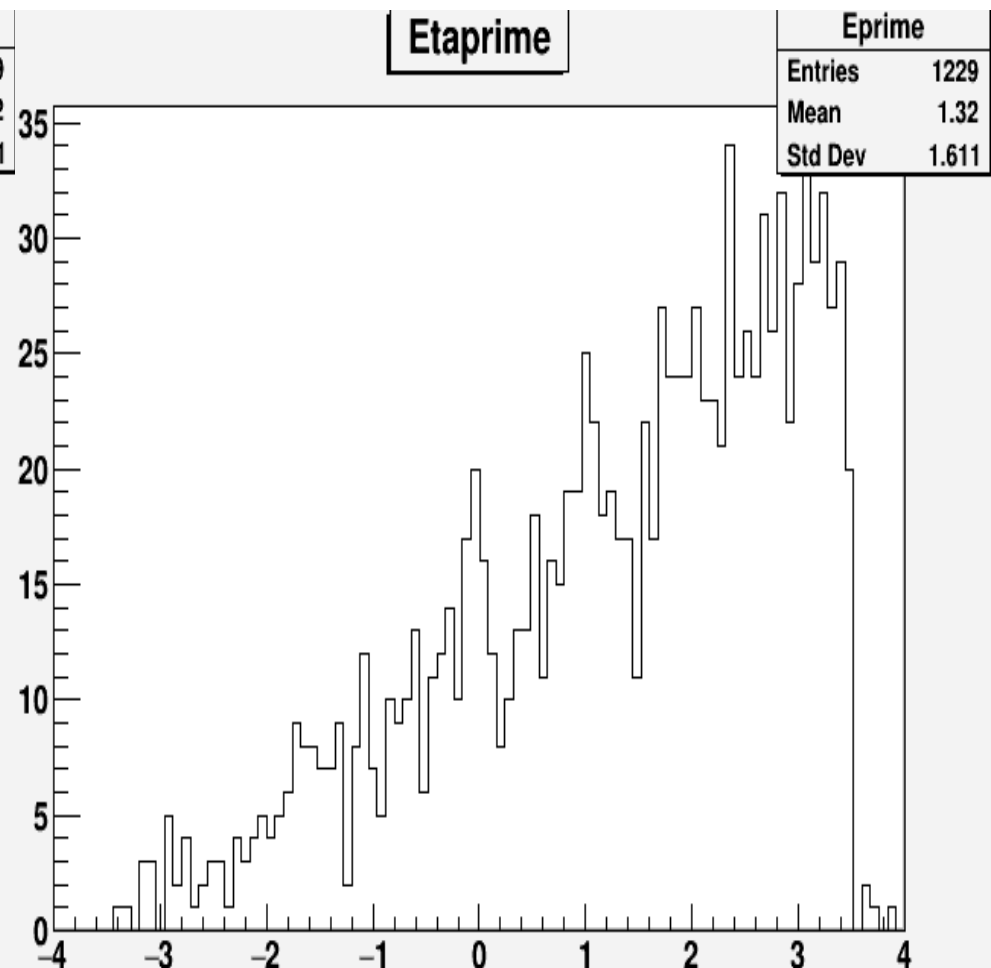


1D plot of eta(pseudorapidity)

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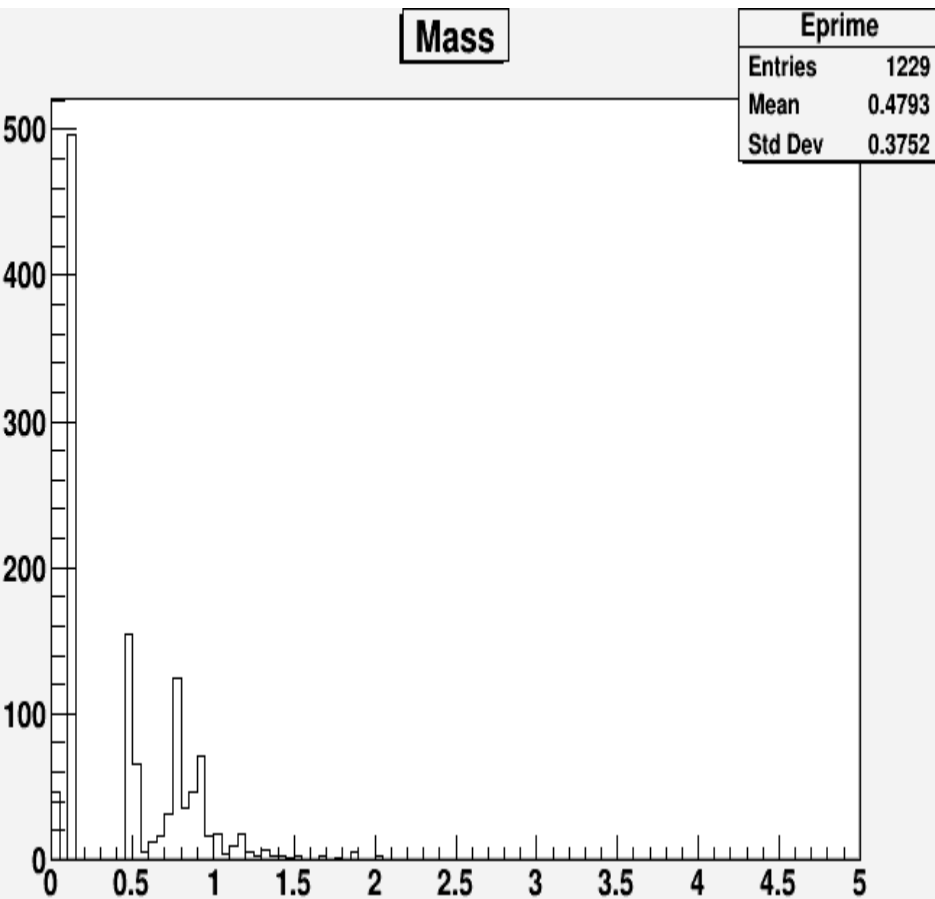


smearred



1D mass plots

Un-smearred particles



Smearred particles

