

List of Cuts applied

BeamEnergy > 6.5 GeV

C.L > 0.001

52 c.m < Zvertex < 78 c.m

0.5 < MM2 < 1.5 (Missing Mass Squared)

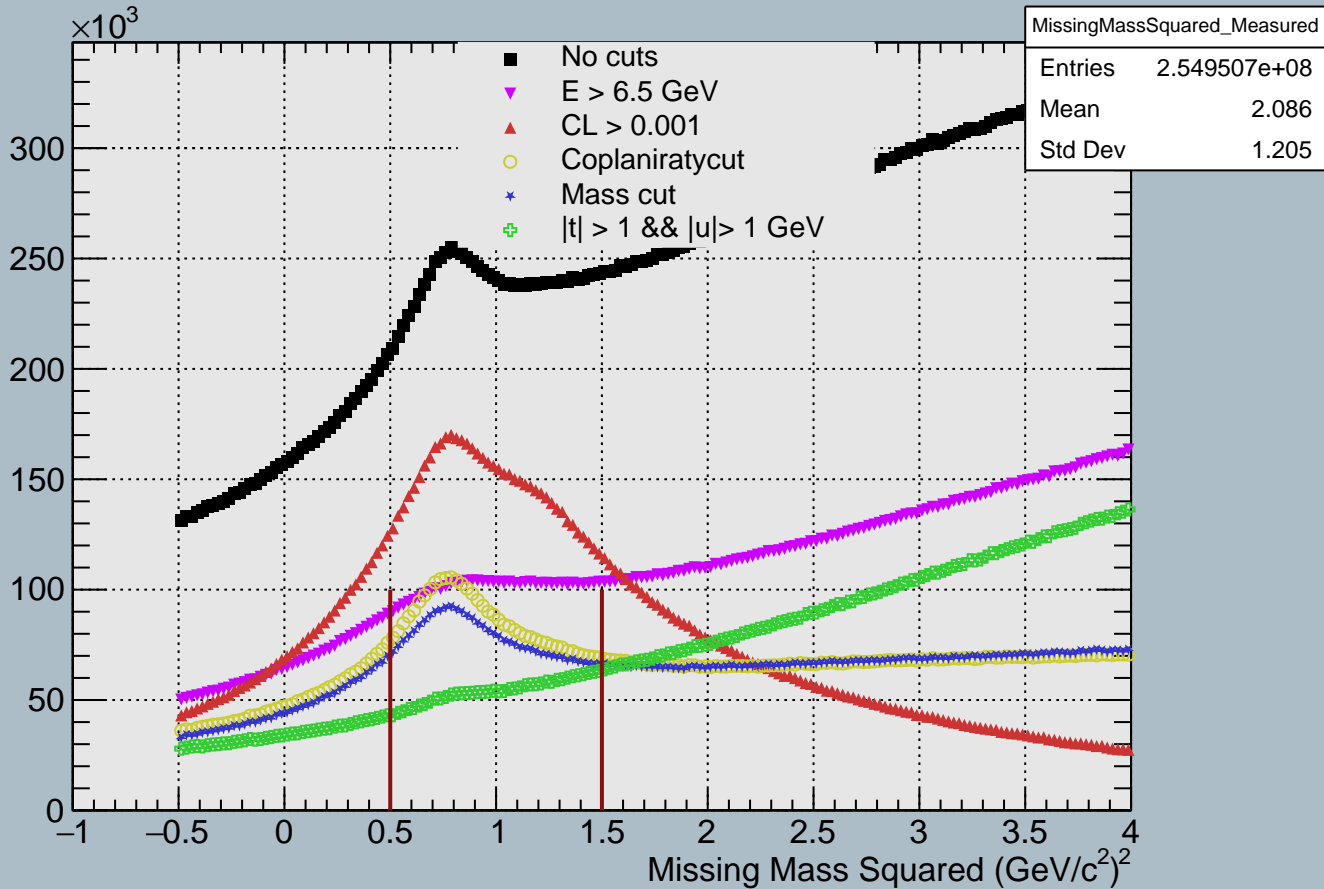
|t| >1 and |u| >1

Coplanarity between Rho and proton: (165 ,195) degree

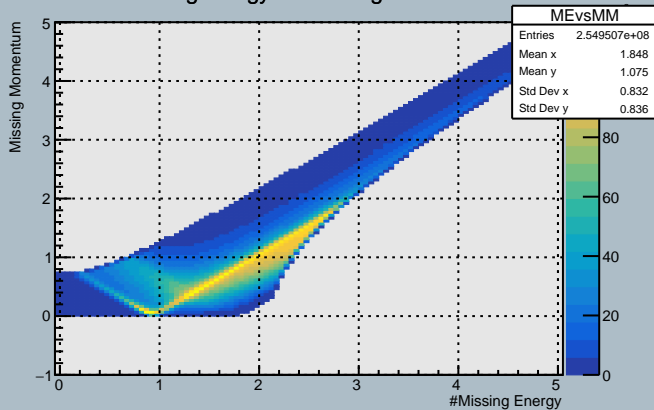
PipProt Invariant Mass > 1.8 && PimProt Invariant Mass > 1.8

Missing Neutron Momentum < 0.14

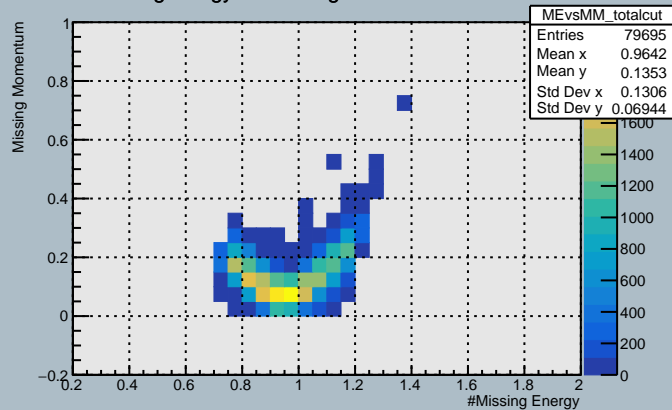
Missing Mass Squared: Different cuts



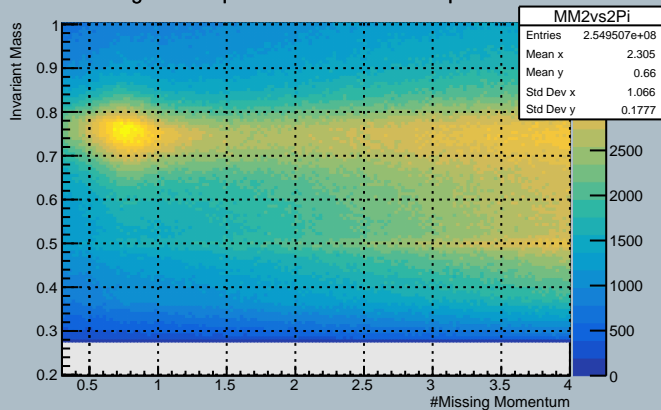
MissingEnergy vs MissingMomentum



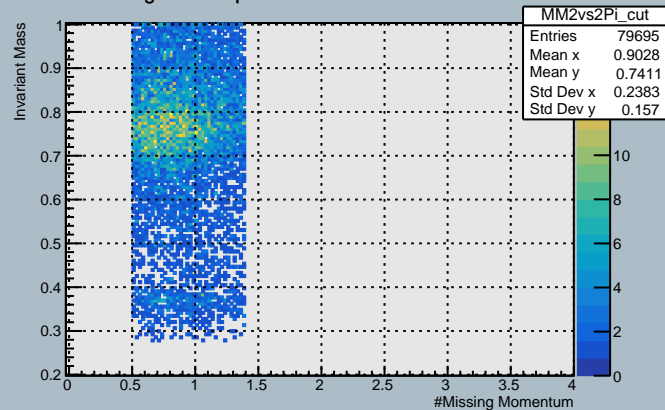
MissingEnergy vs MissingMomentum After all cut



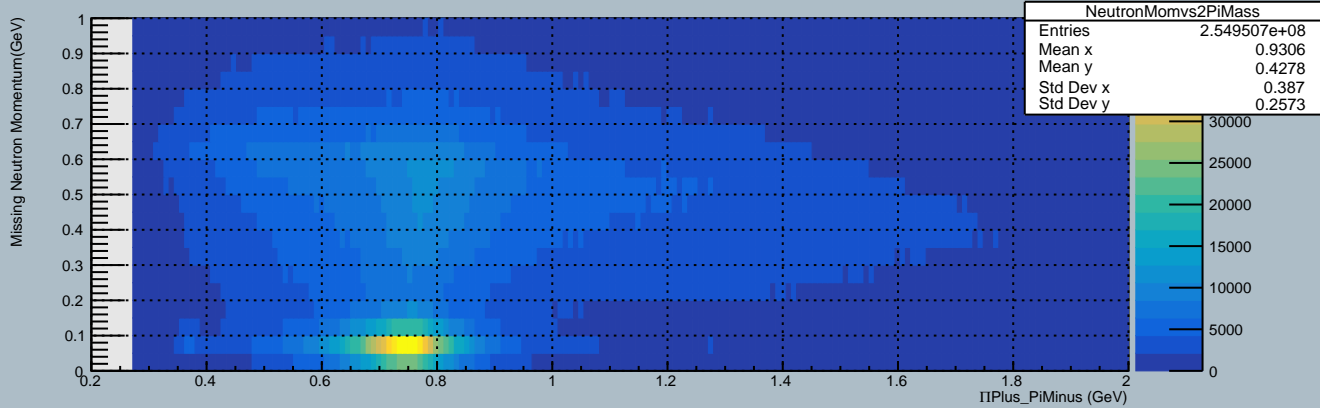
Missing Mass Square vs InvariantMass PiplusPiminus



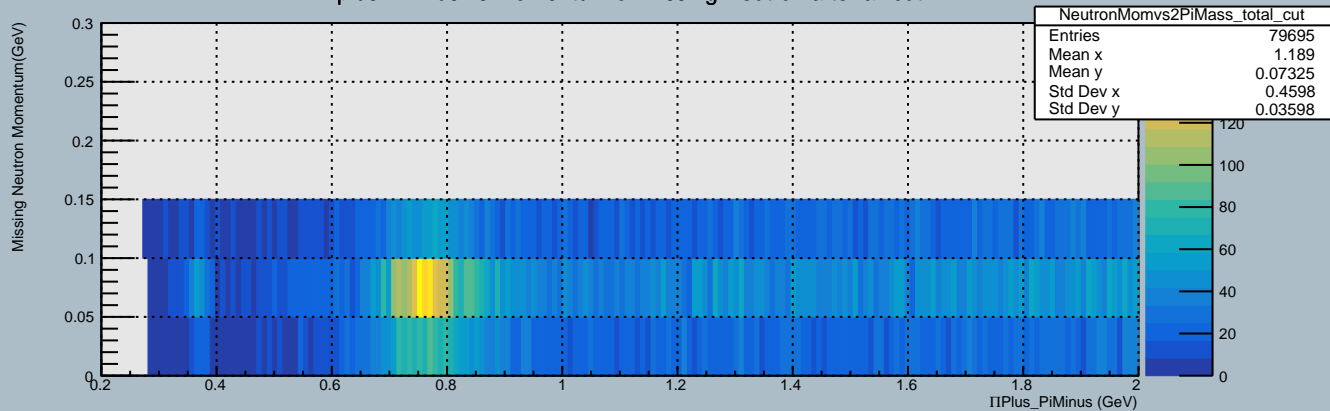
Missing Mass Square vs Invariant massAfter all cut



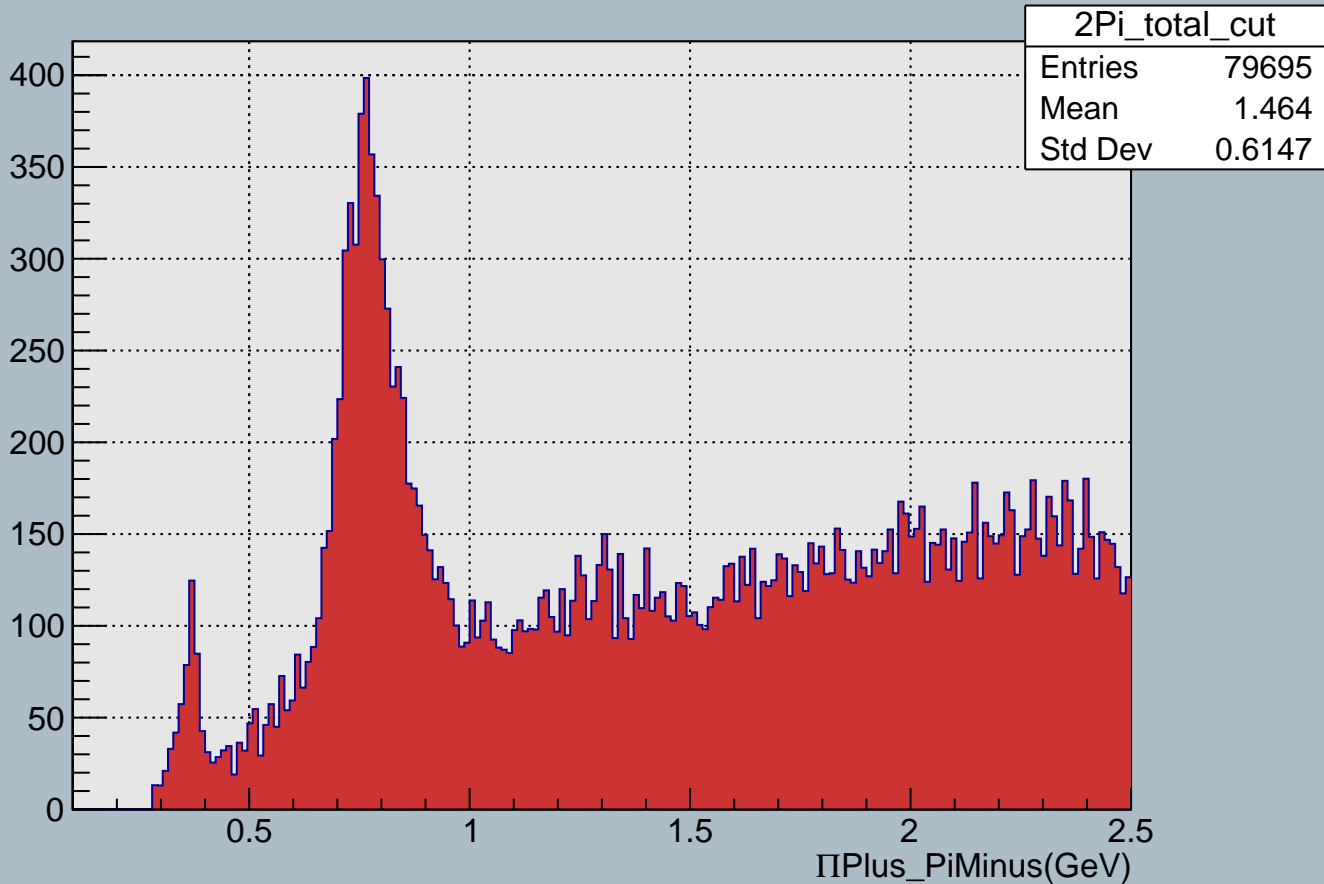
PiplusPiminus vs Momentum of Missing Neutron



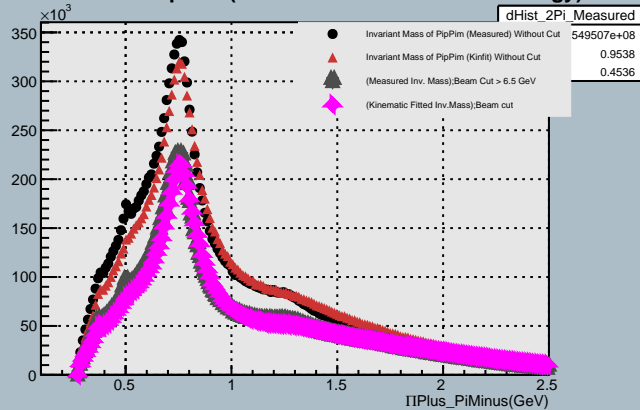
PiplusPiminus vs Momentum of Missing Neutron after all cut



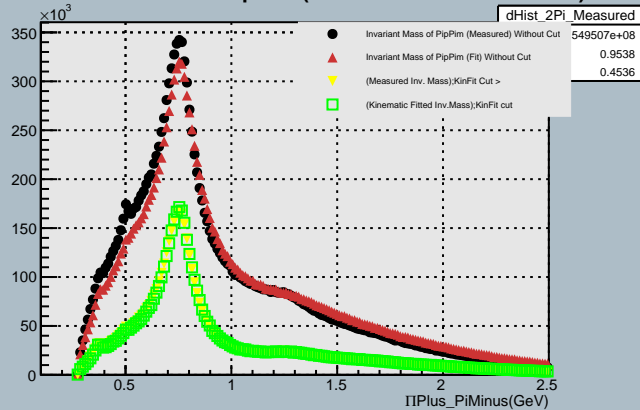
Invariant Mass of PipPim:With All cuts



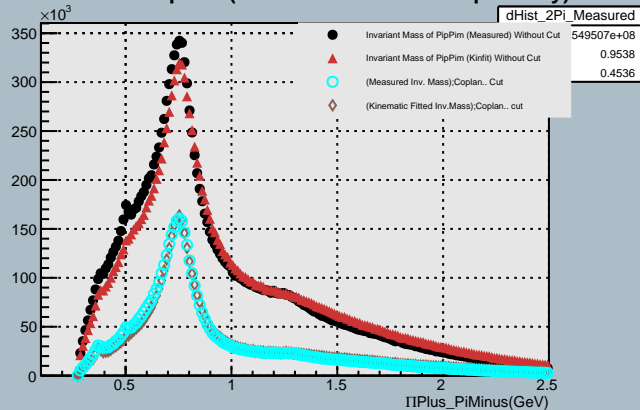
Invariant Mass of PipPim:(With/Without cut on BeamEnergy)



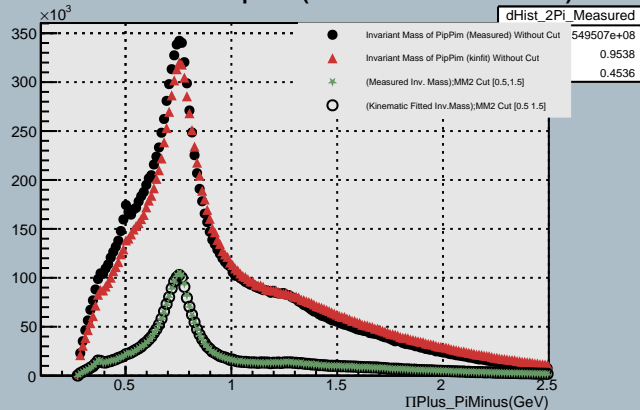
Invariant Mass of PipPim:(With/Without cut on KinFit)



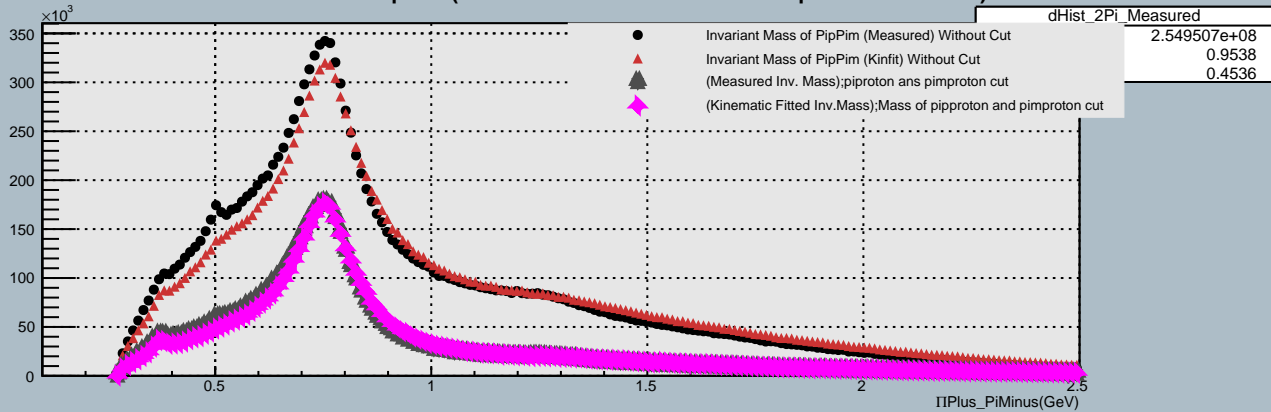
Invariant Mass of PipPim:(With/Without cut on Coplanarity)



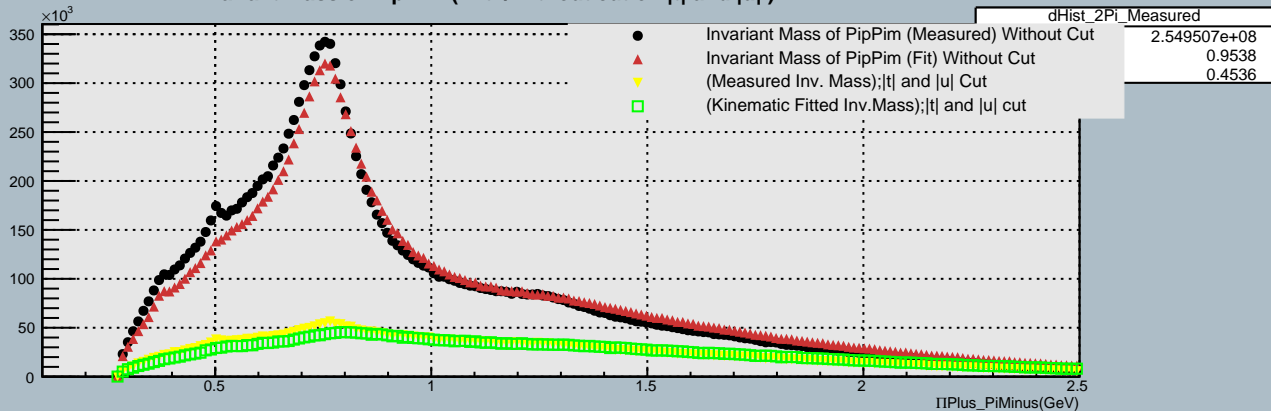
Invariant Mass of PipPim:(With/Without cut on MM2)



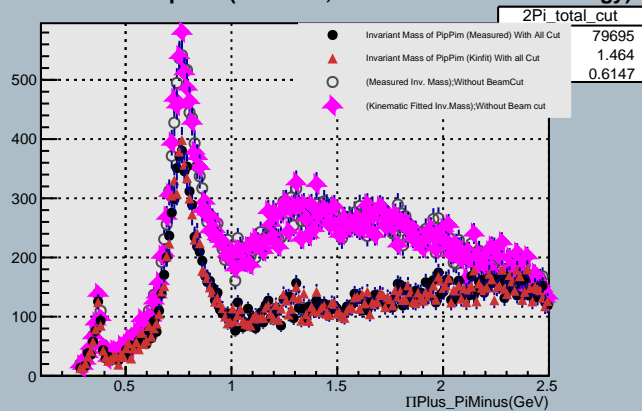
Invariant Mass of PipPim:(With/Without cut on masses of PipProt && PimProt)



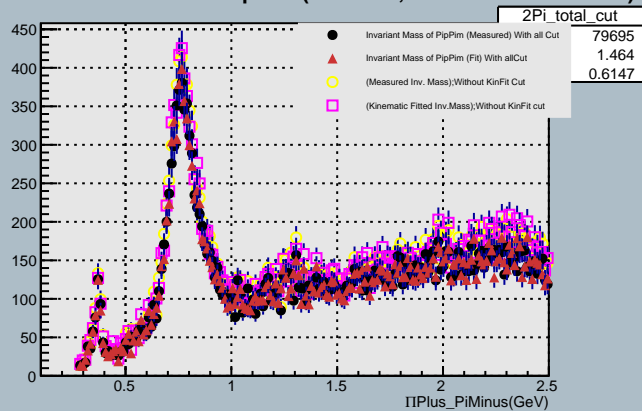
Invariant Mass of PipPim:(With/Without cut on |t| and |u|)



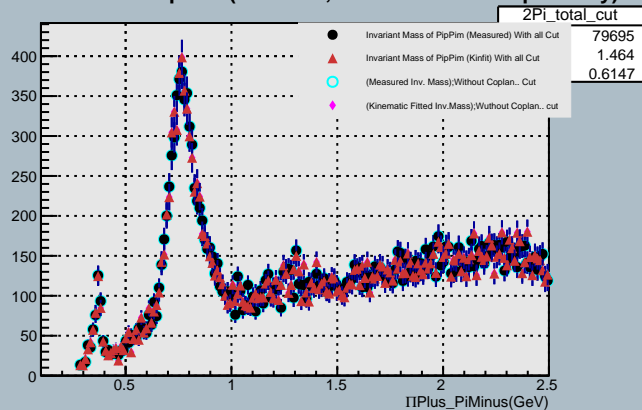
Invariant Mass of PipPim:(Total cut, Without cut on BeamEnergy)



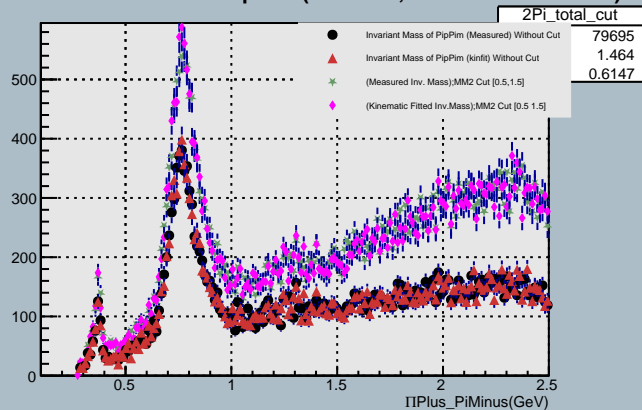
Invariant Mass of PipPim:(Total cut, Without cut on KinFit)



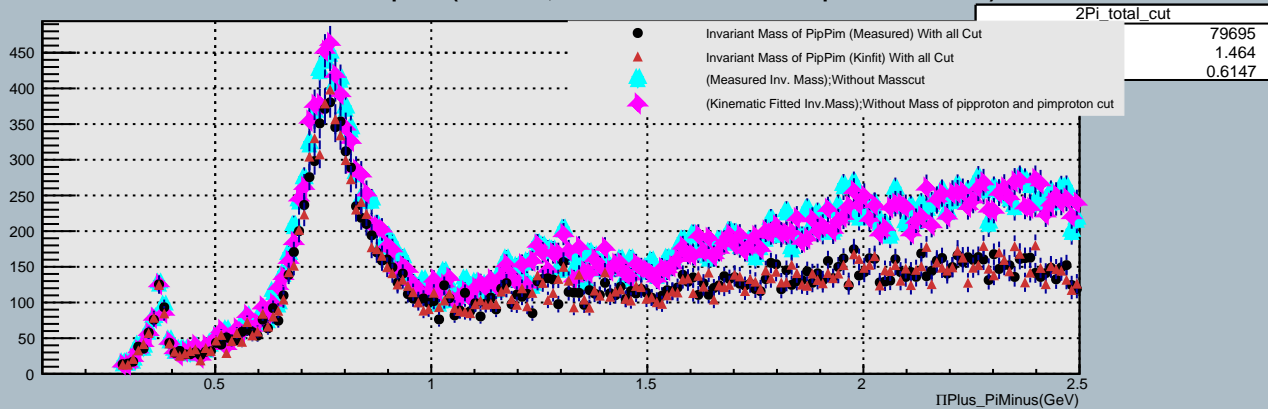
Invariant Mass of PipPim:(Total cut, Without cut on Coplanarity)



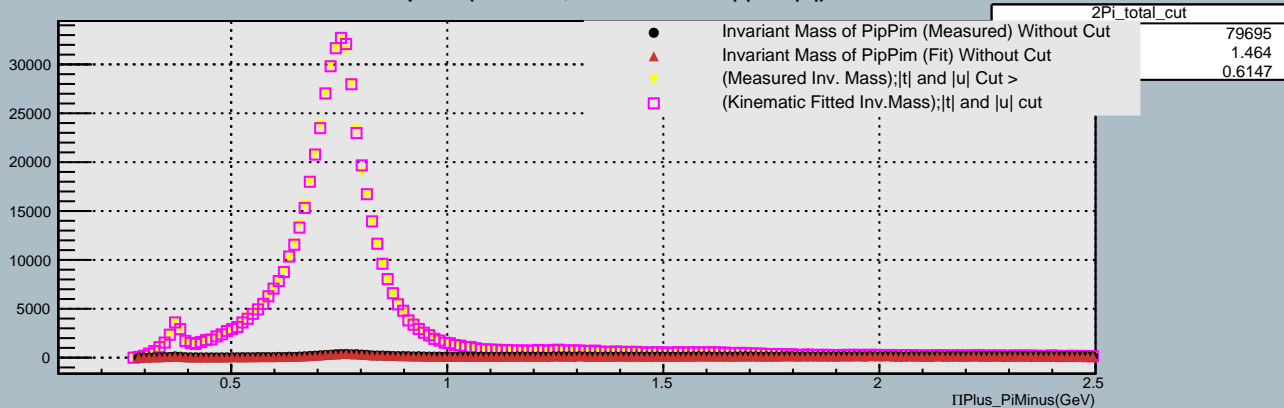
Invariant Mass of PipPim:(Total cut, Without cut on MM2)



Invariant Mass of PipPim:(Total cut, Without cut on Mass of Piprot && PimProt)



Invariant Mass of PipPim:(Total cut, Without cut on |t| && |u|)



No. of Events with different cuts

No cuts = 2.549607e8, Totalcut = 79695

BeamEnergy = 9.317931e7, Without Beam Energy = 124655

KinFit = 6.921728e7, Without KinFit = 94388

Coplanarity = 5.987933e7, Without Coplanarity = 80196

MM2 = 4.101614e7, Without MM2 = 201918

Inv Mass of Pipprot and PimProt = 9.317931e7, Without Inv Mass = 116347

|t| and |u| = 8.016457e7, Without |t| and |u| = 1664928