

List of Cuts applied

//0.3 < MM2 < 1.7(Missing Mass Squared)
(Missing Energy)

//PMinus = (Rho0.E()+ Prot.E()) - (Rho0.Pz()+ Prot.Pz())

C.L > 0.001

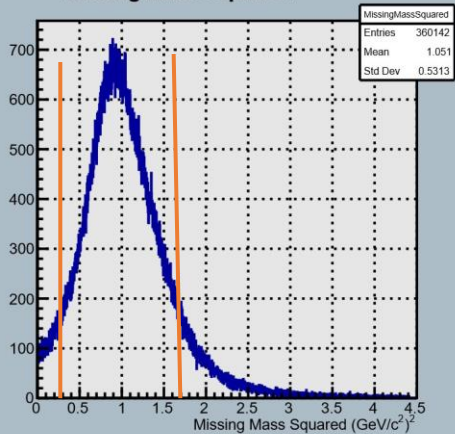
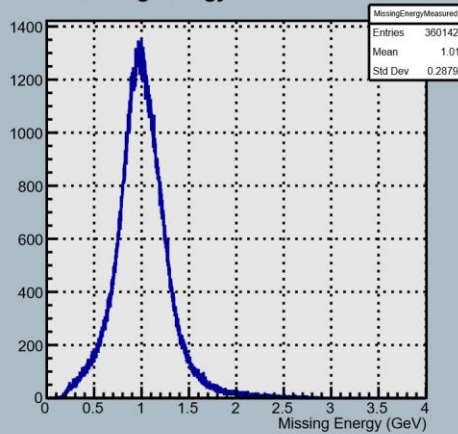
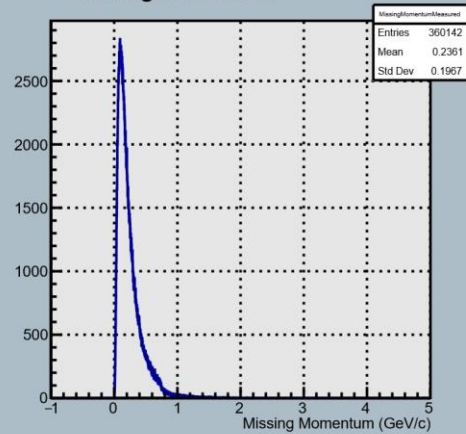
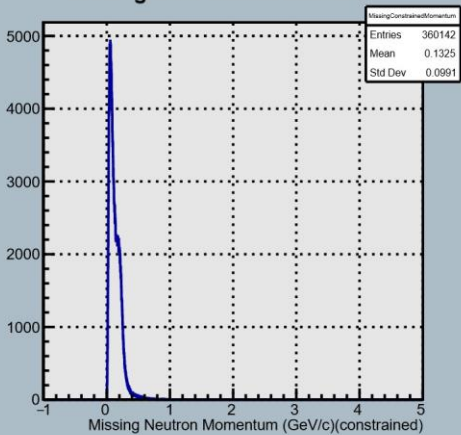
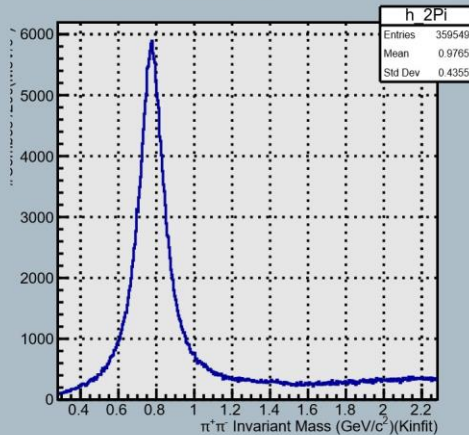
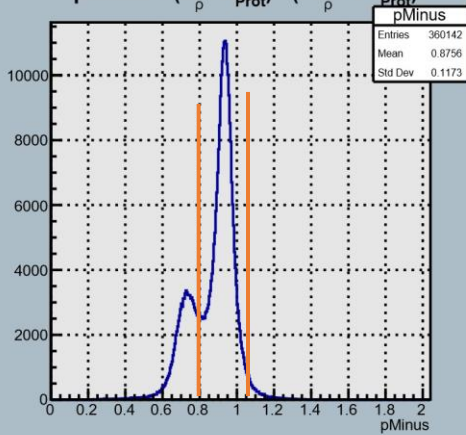
BeamEnergy > 6.5 GeV

52 cm < Zvertex < 78 cm

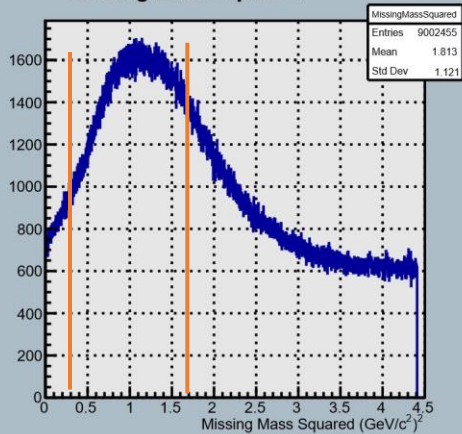
Coplanarity between Rho0 and Proton(165,195)

PipProt Invariant Mass < 1.3 && PimProt Invariant Mass 1.2

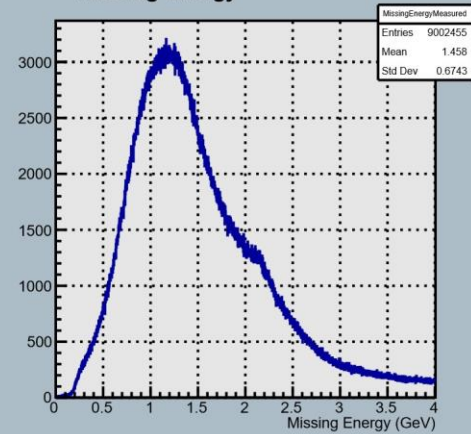
|t| > 1 , |u| > 1 and tight cut on dE/dx of pions

Missing Mass Squared**Missing Energy****Missing Momentum****Missing Constrained Momentum****Invariant Mass $\pi^+\pi^-$**  **$p_{\text{Minus}} = (E_p + E_{\text{Prot}}) - (P_z_p + P_z_{\text{Prot}})$** 

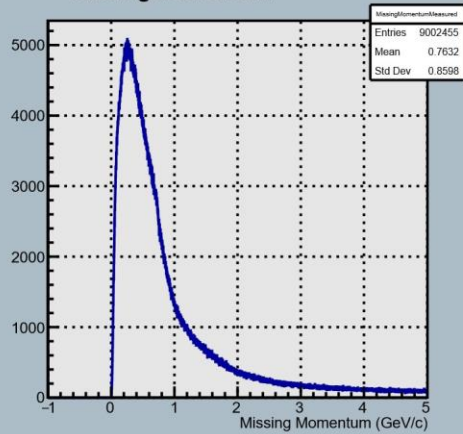
Missing Mass Squared



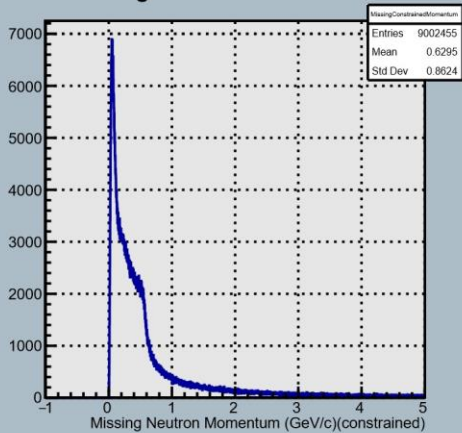
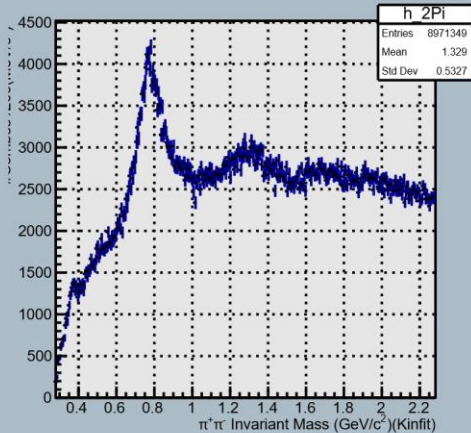
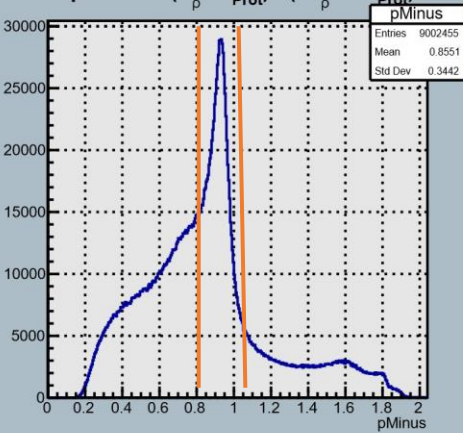
Missing Energy



Missing Momentum



Missing Constrained Momentum

Invariant Mass $\pi^+\pi^-$  $p_{\text{Minus}} = (E_p + E_{\text{Prot}}) - (Pz_p + Pz_{\text{Prot}})$ 

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PMinus = 0.8 < pMinus < 1.1

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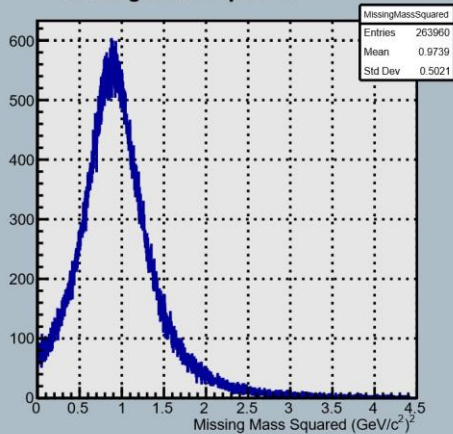
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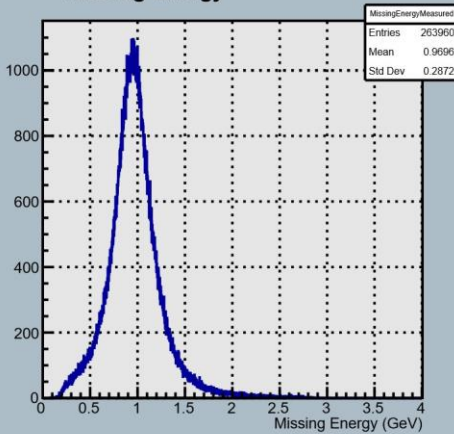
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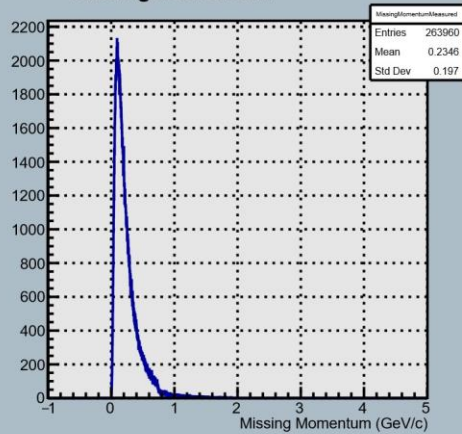
Missing Mass Squared



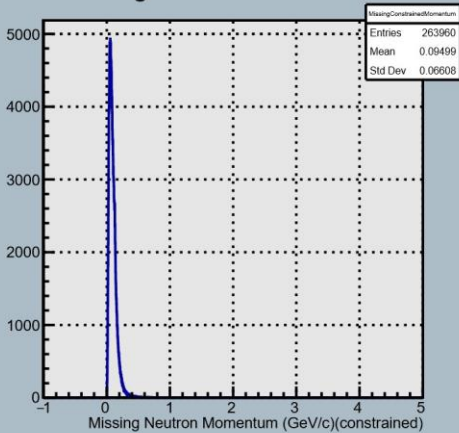
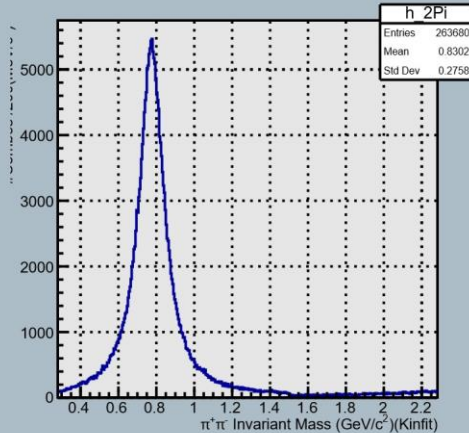
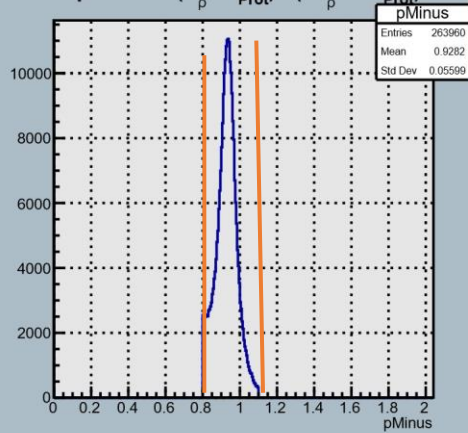
Missing Energy

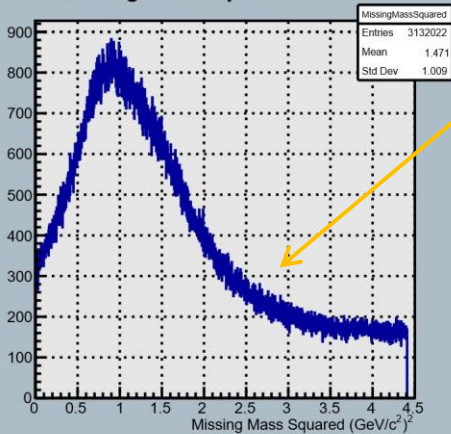
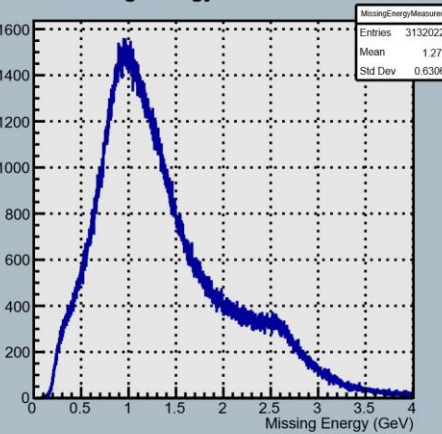
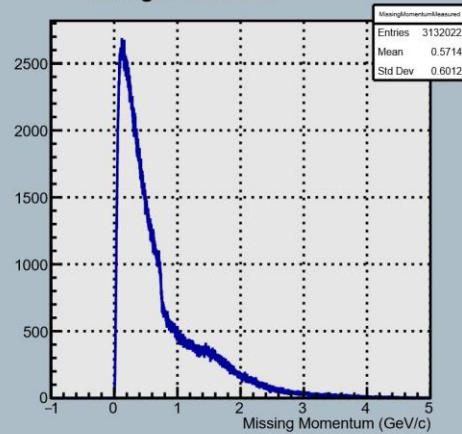
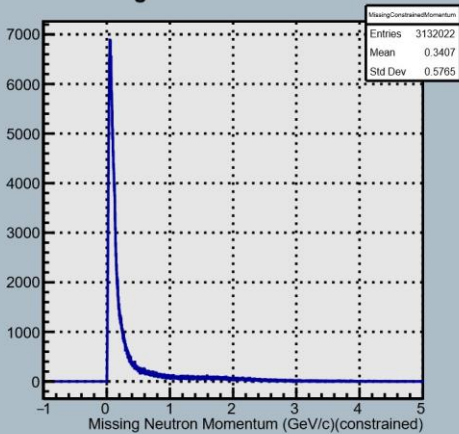
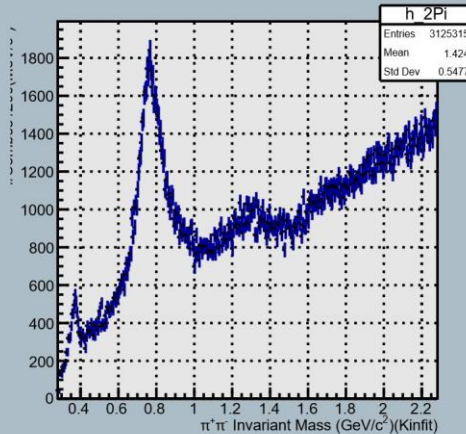
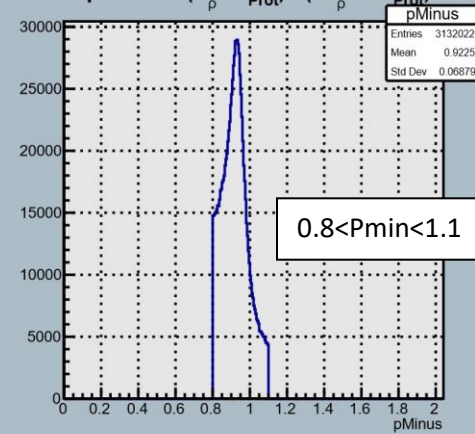


Missing Momentum



Missing Constrained Momentum

Invariant Mass $\pi^+\pi^-$  $p_{\text{Minus}} = (E_p + E_{\text{Prot}}) - (P_z_p + P_z_{\text{Prot}})$ 

Missing Mass Squared**Missing Energy****Missing Momentum****Missing Constrained Momentum****Invariant Mass $\pi^+\pi^-$**  **$p_{\text{Minus}} = (E_p + E_{\text{Prot}}) - (P_z_p + P_z_{\text{Prot}})$** 

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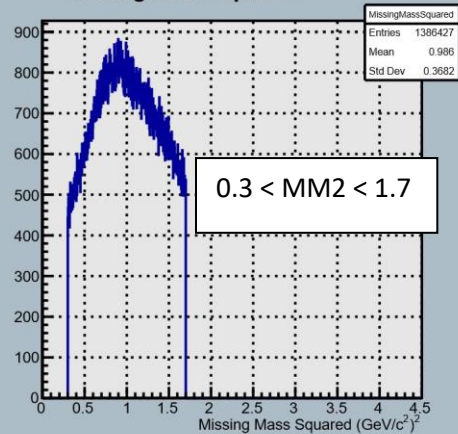
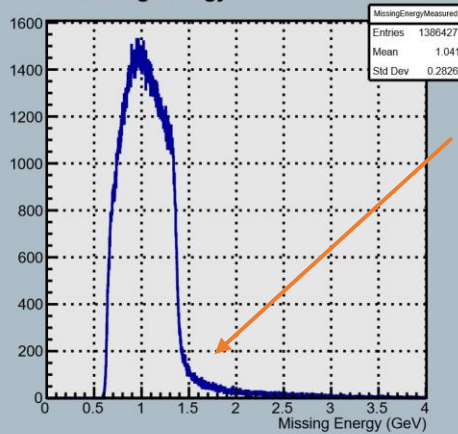
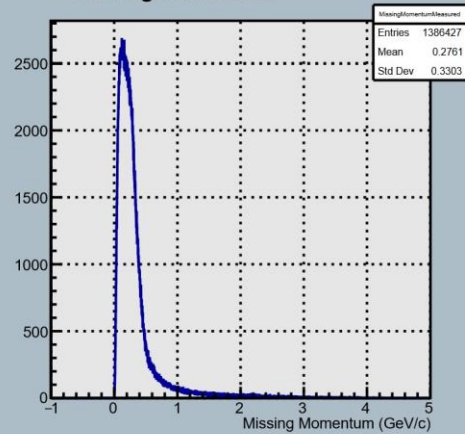
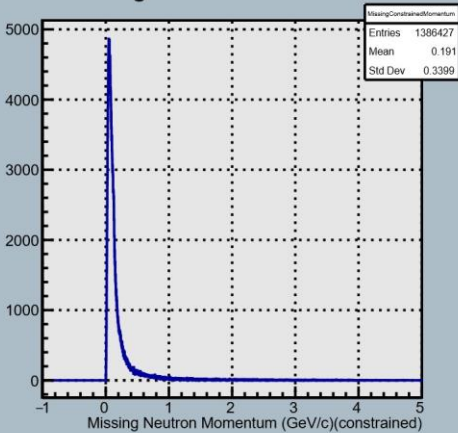
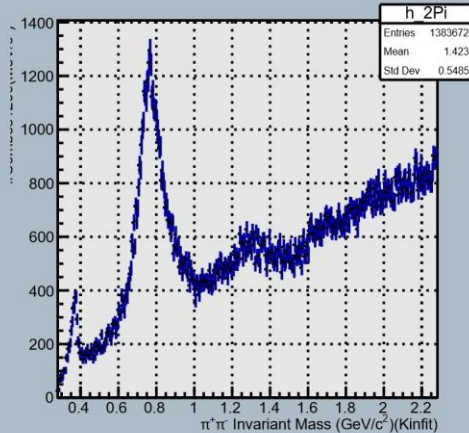
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