

## List of Cuts applied

//0.3 < MM2 < 1.3(Missing Mass Squared)

//0.3 < ME < 1.3(Missing Energy)

//PMinus = E\_miss -Pz\_miss

**C.L > 0.001**

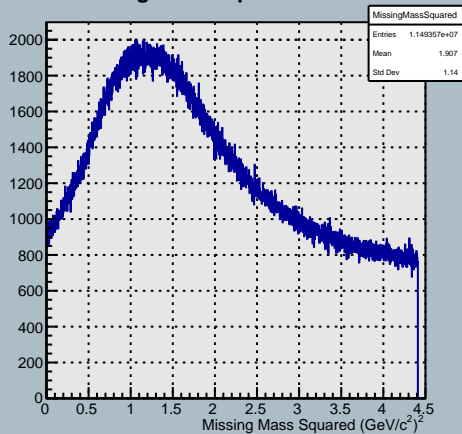
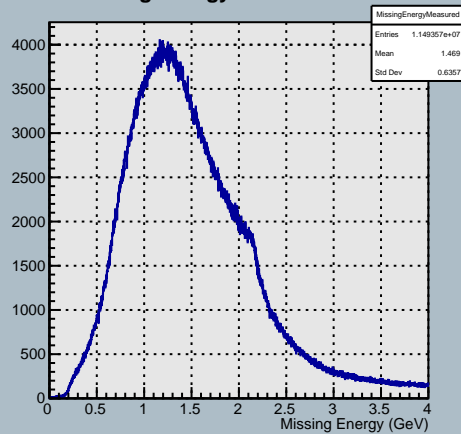
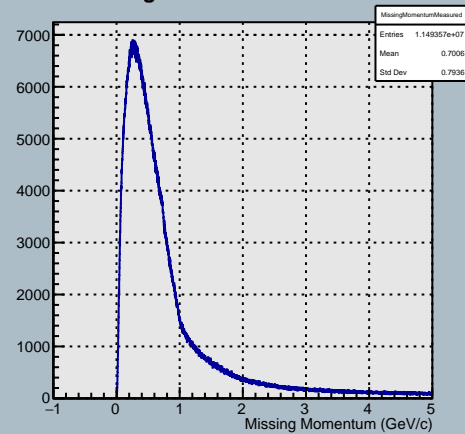
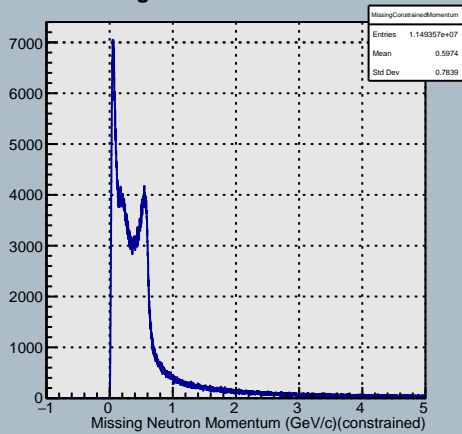
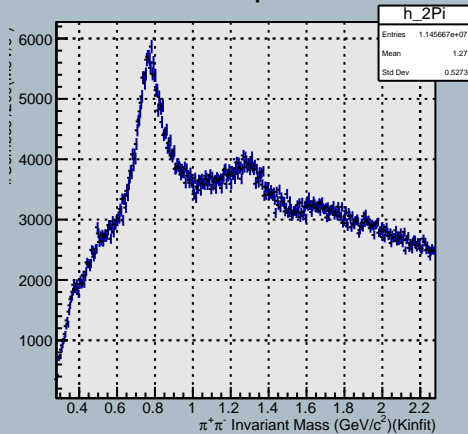
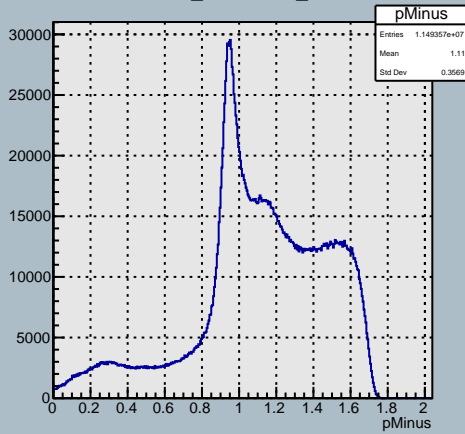
**BeamEnergy > 6.5 GeV**

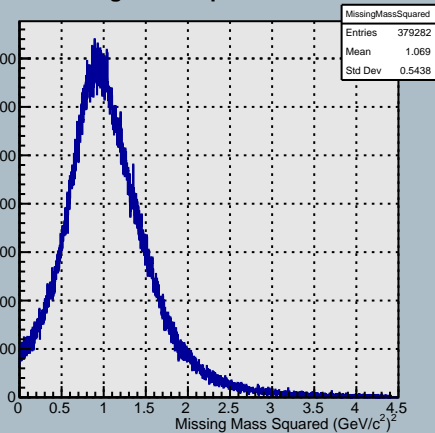
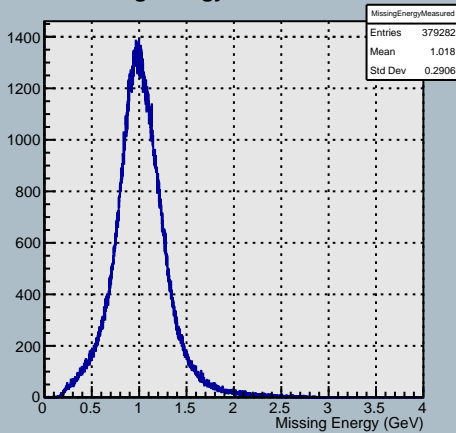
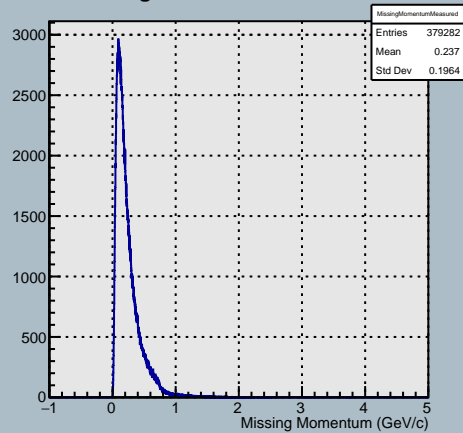
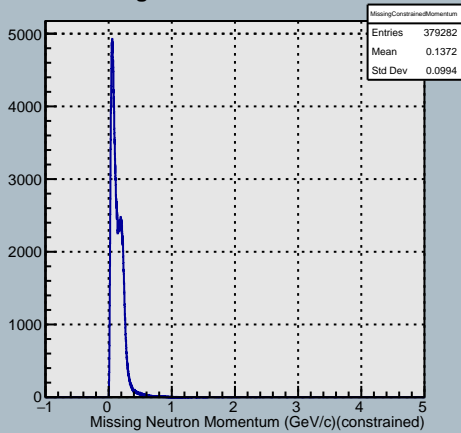
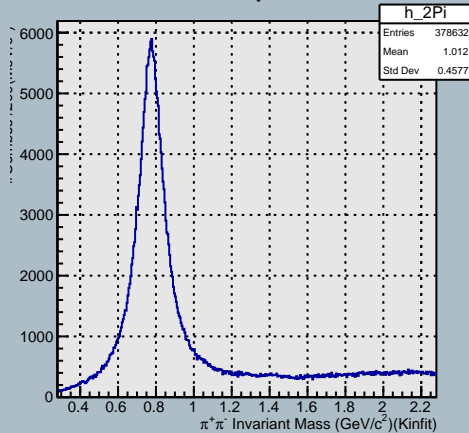
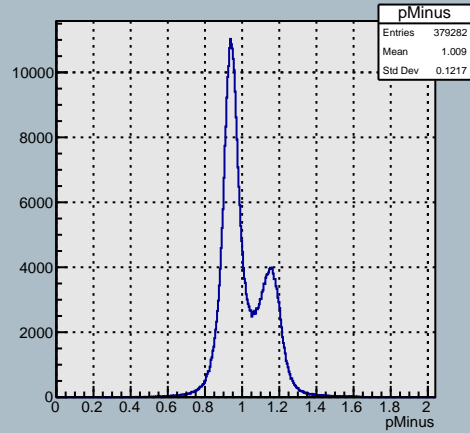
**52 cm < Zvertex < 78 cm**

**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**

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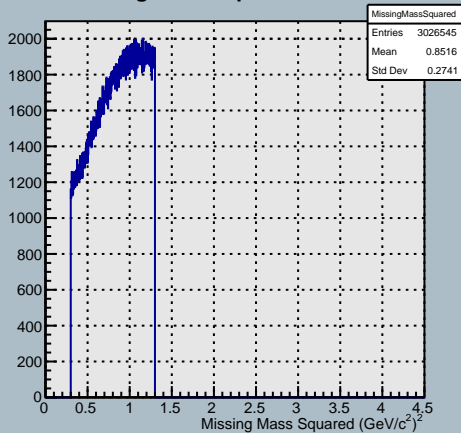
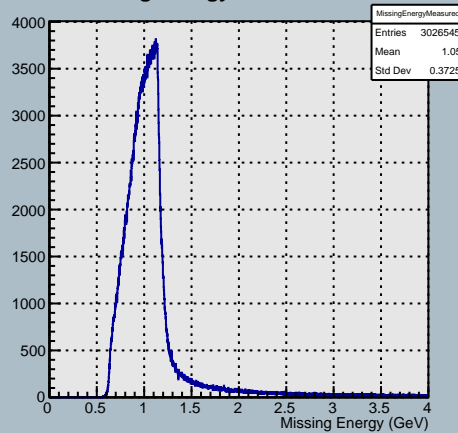
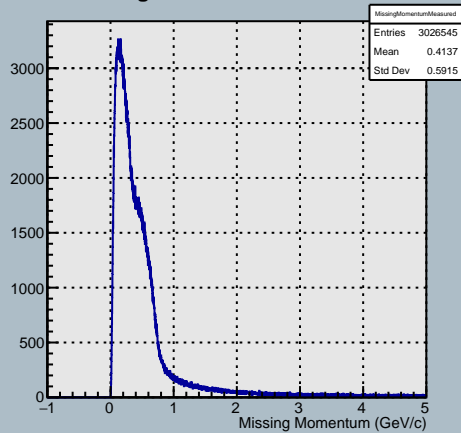
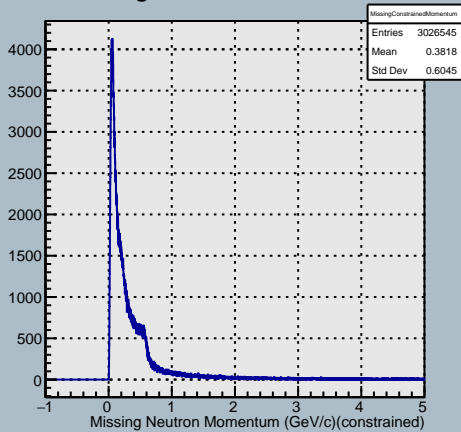
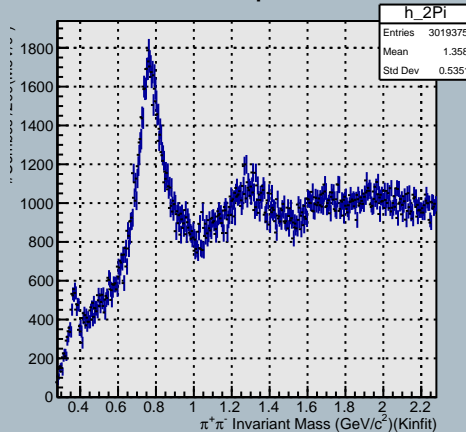
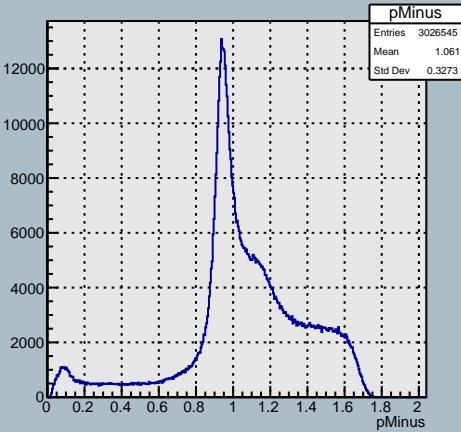
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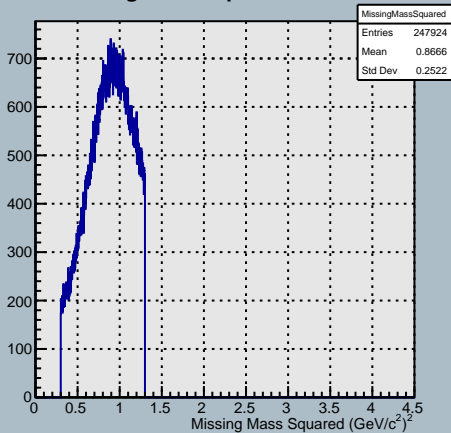
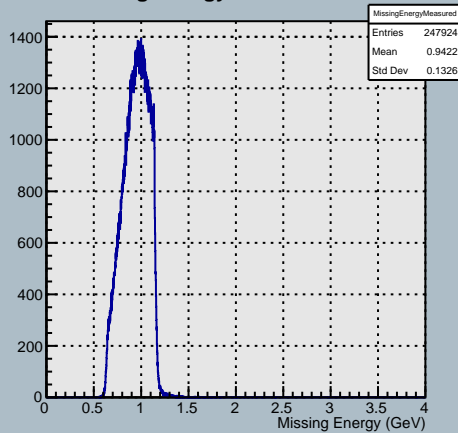
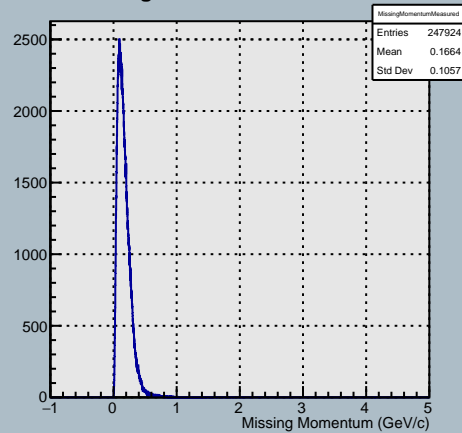
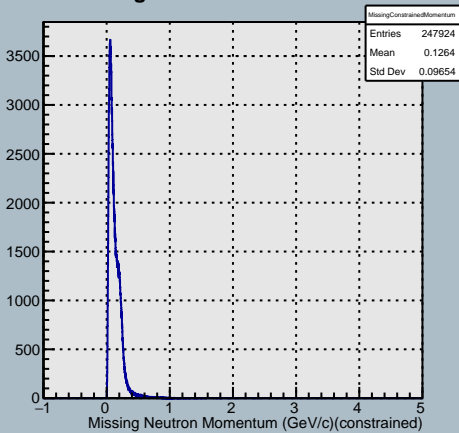
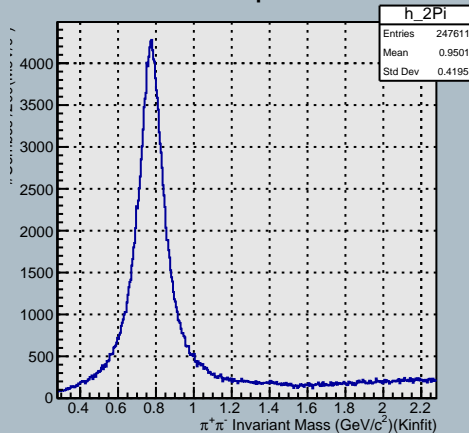
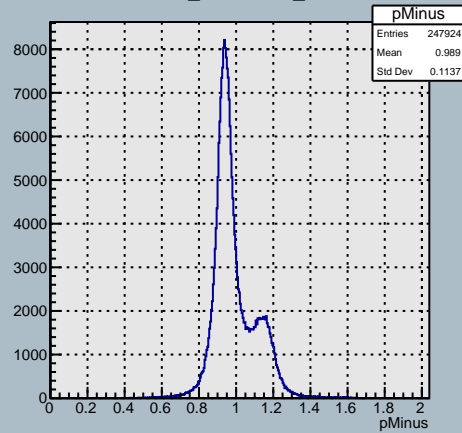
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**C.L > 0.001**

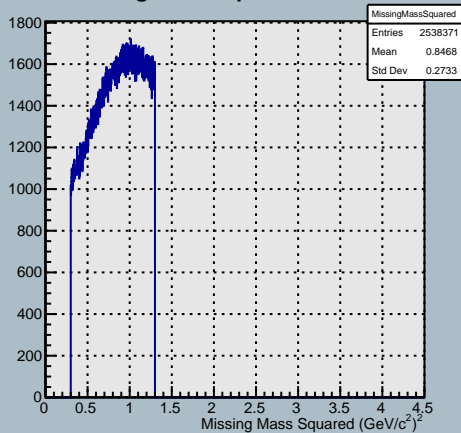
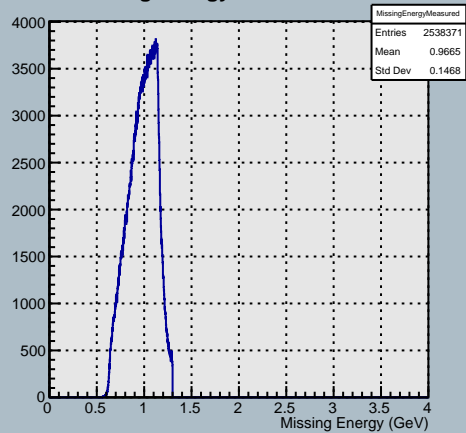
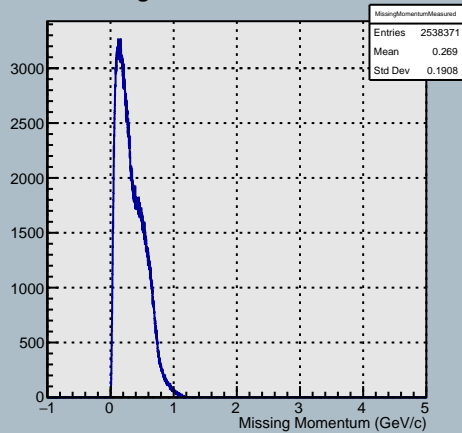
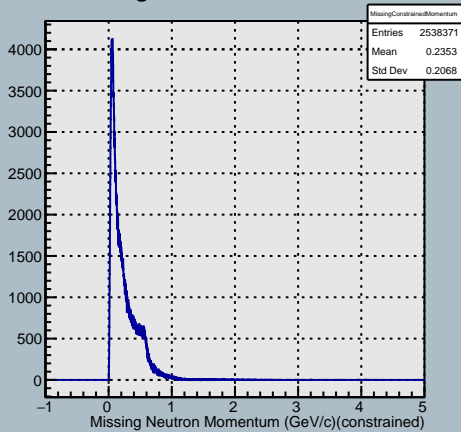
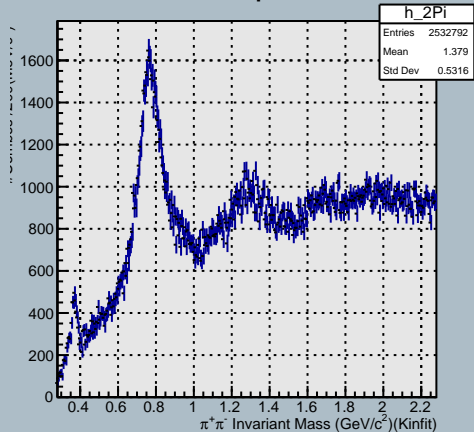
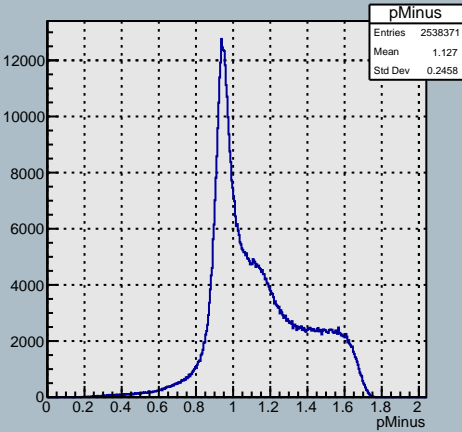
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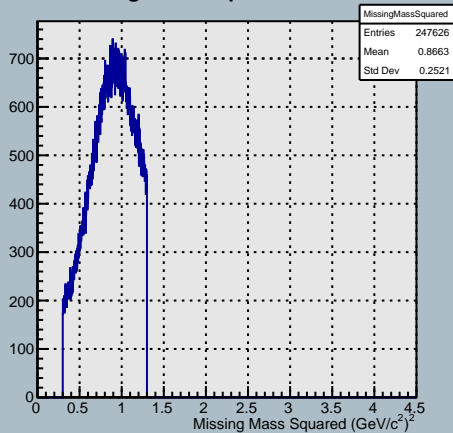
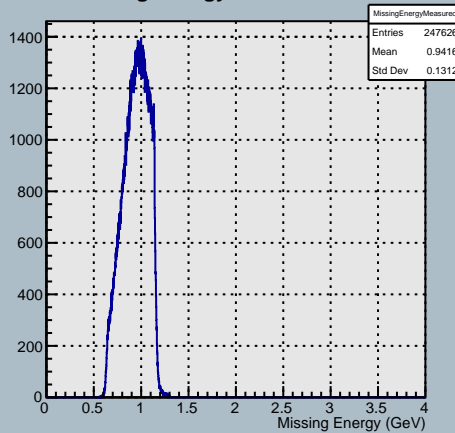
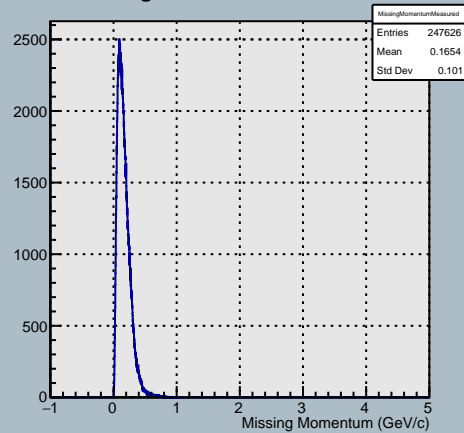
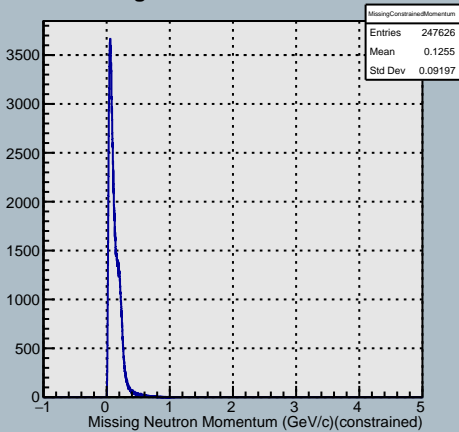
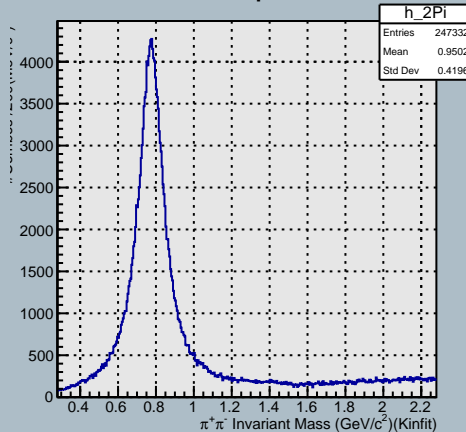
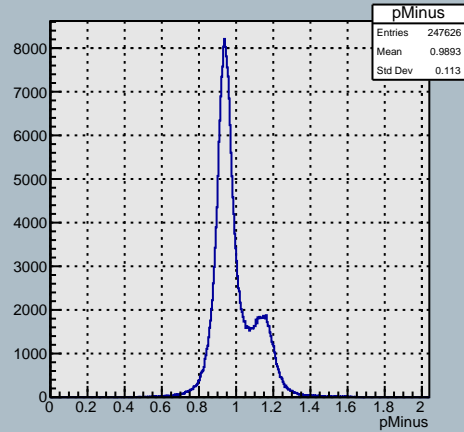
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**// $0.3 < ME < 1.3$ (Missing Energy)**

**$P_{\text{Minus}}(0.87\_1.06) = E_{\text{miss}} - P_{z\_miss}$**

**$C.L > 0.001$**

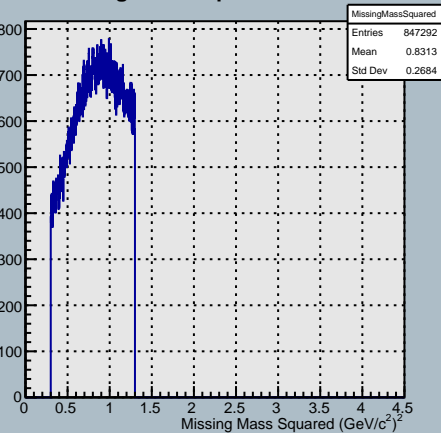
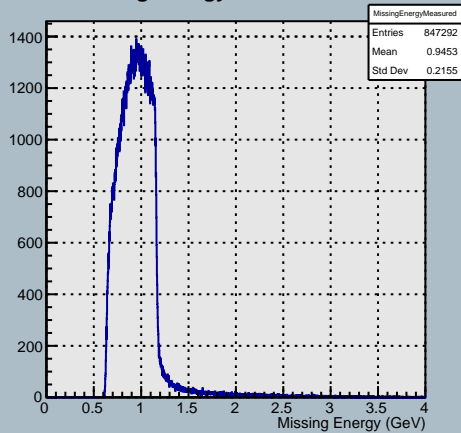
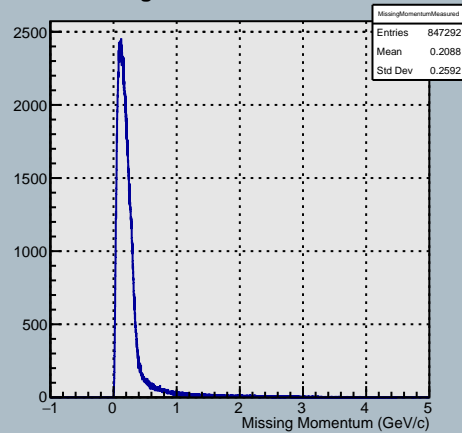
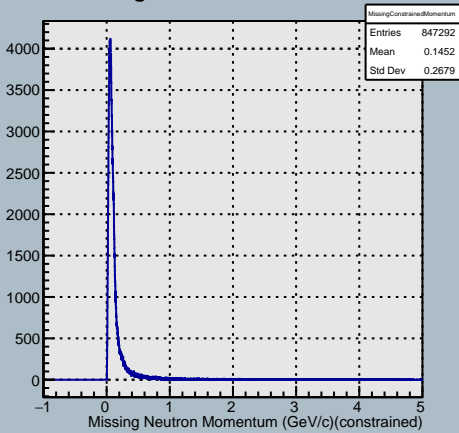
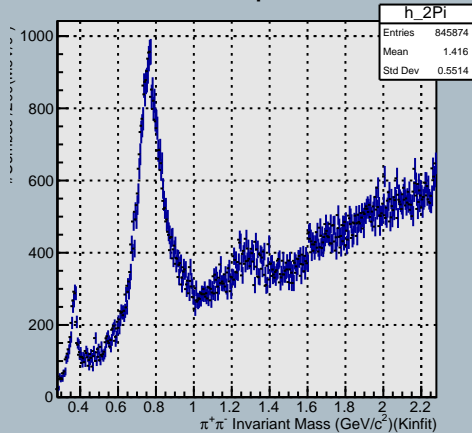
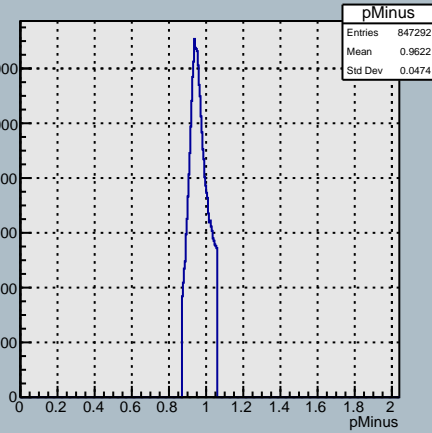
**$\text{BeamEnergy} > 6.5 \text{ GeV}$**

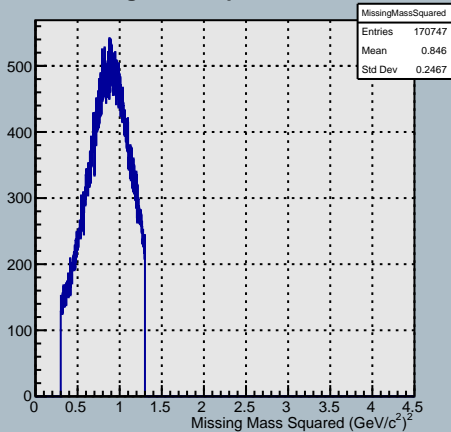
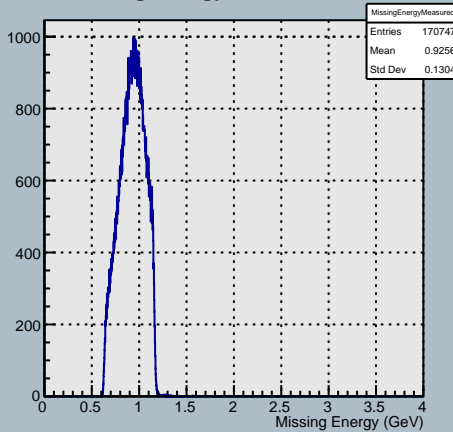
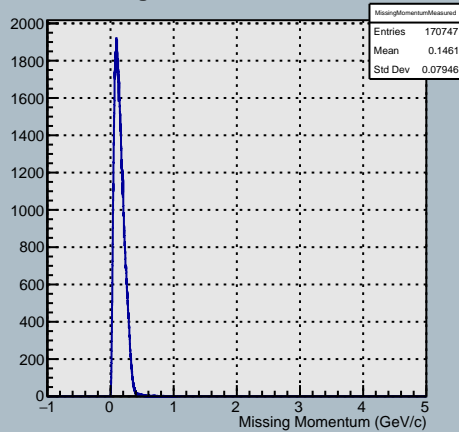
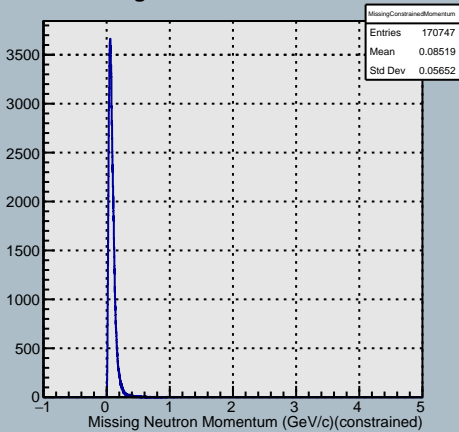
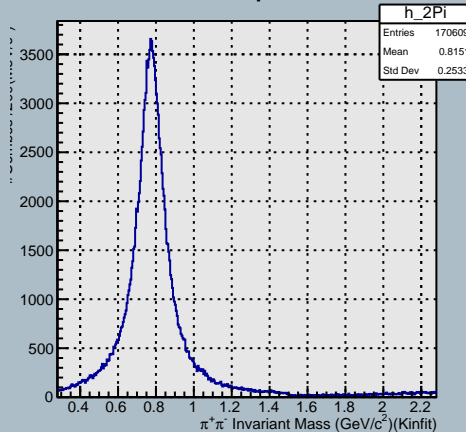
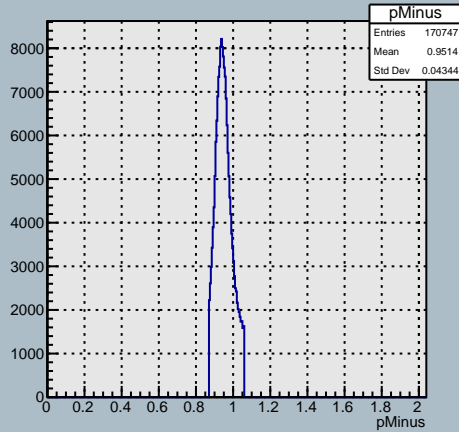
**$52 \text{ cm} < Z_{\text{vertex}} < 78 \text{ cm}$**

**Coplanarity between Rho0 and Proton(165,195)**

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**// $0.3 < ME < 1.3$ (Missing Energy)**

**$P_{\text{Minus}}(0.6\_1.4) = E_{\text{miss}} - P_{z\_miss}$**

**$C.L > 0.001$**

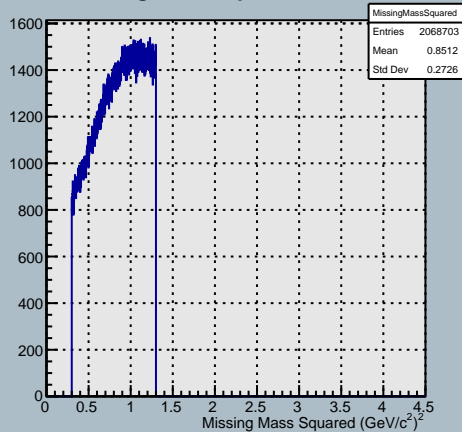
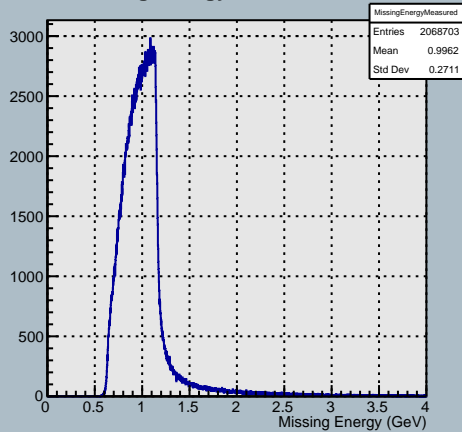
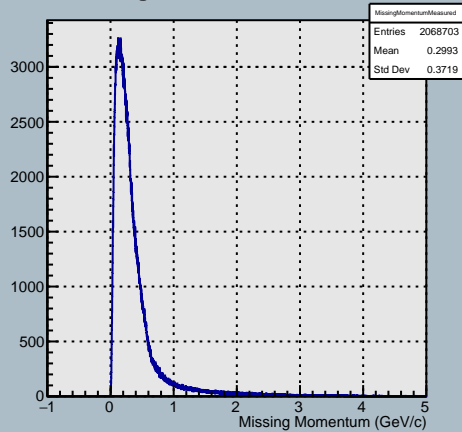
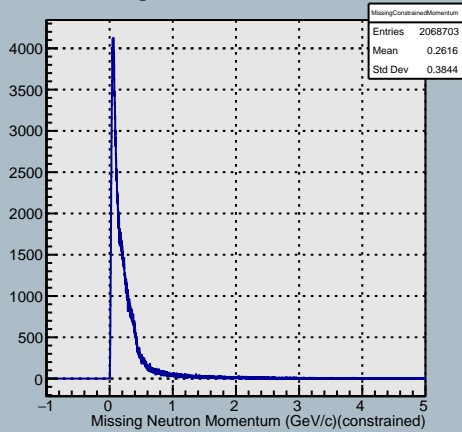
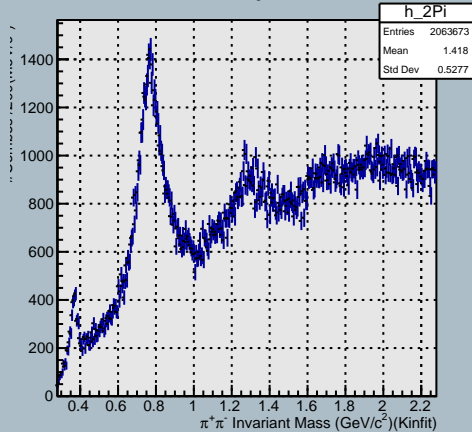
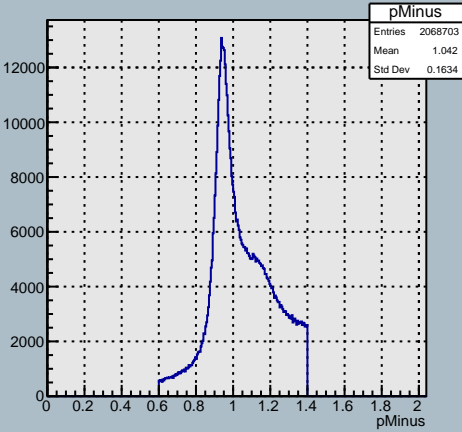
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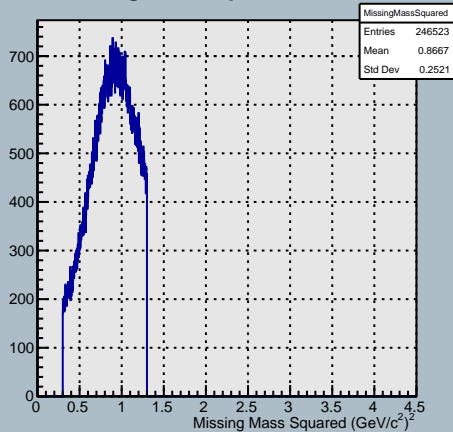
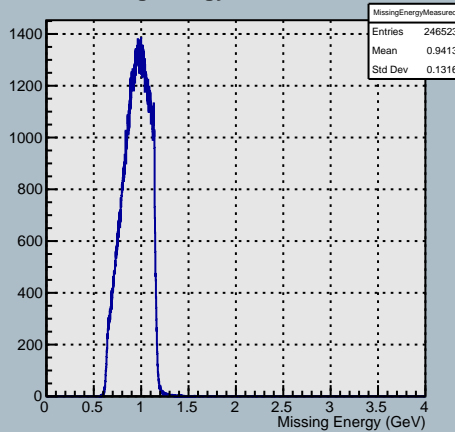
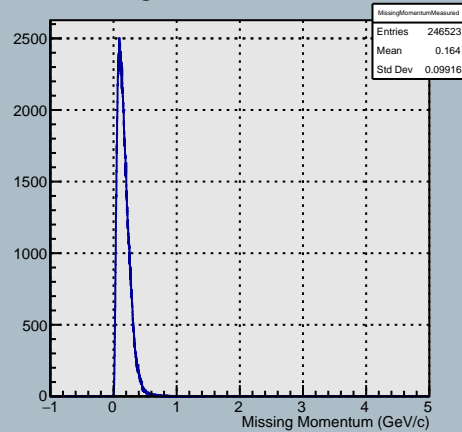
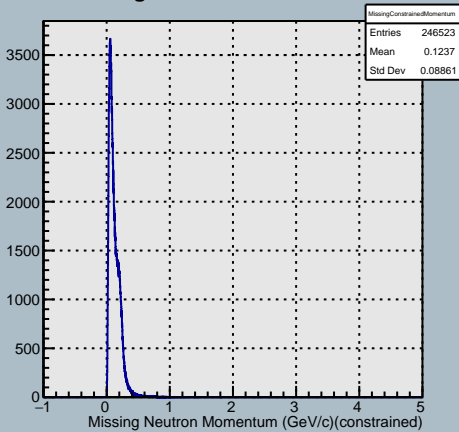
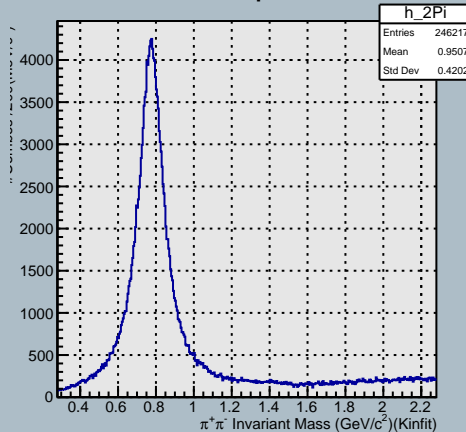
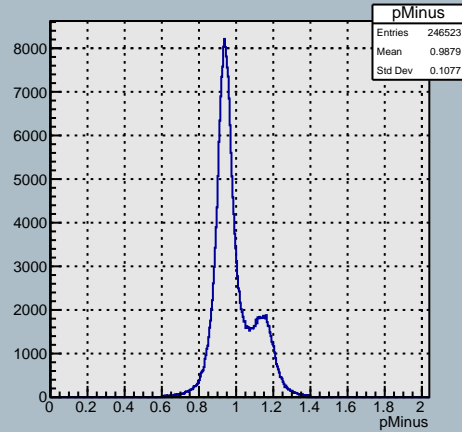
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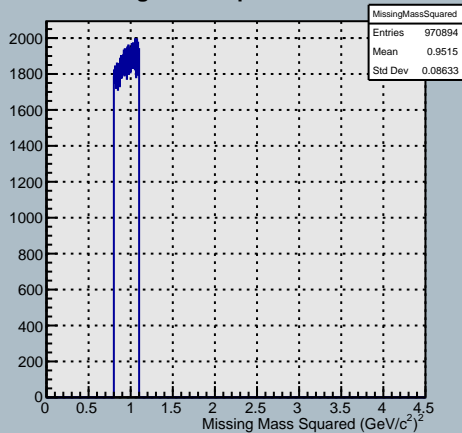
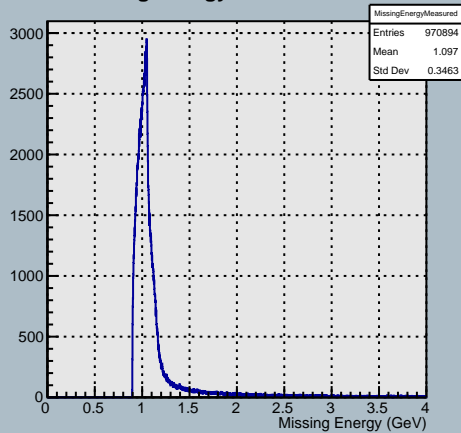
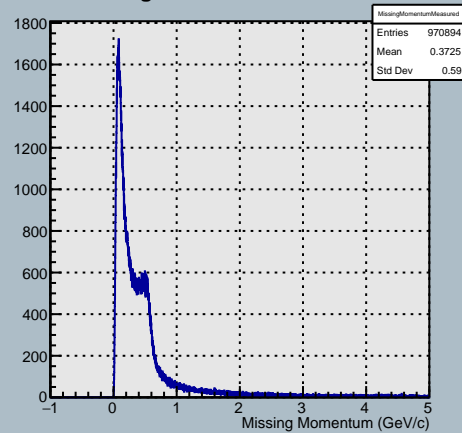
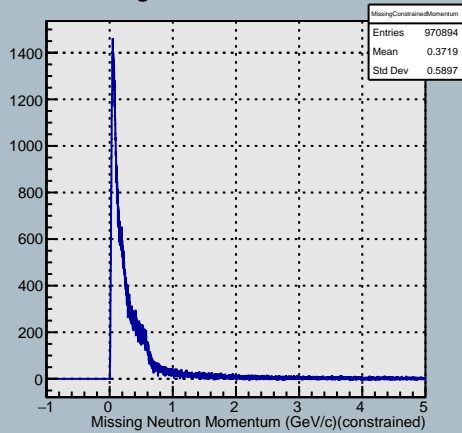
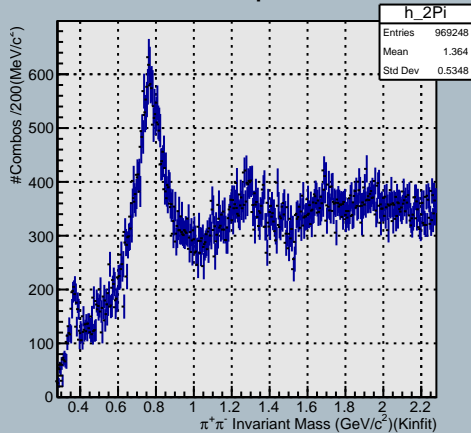
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