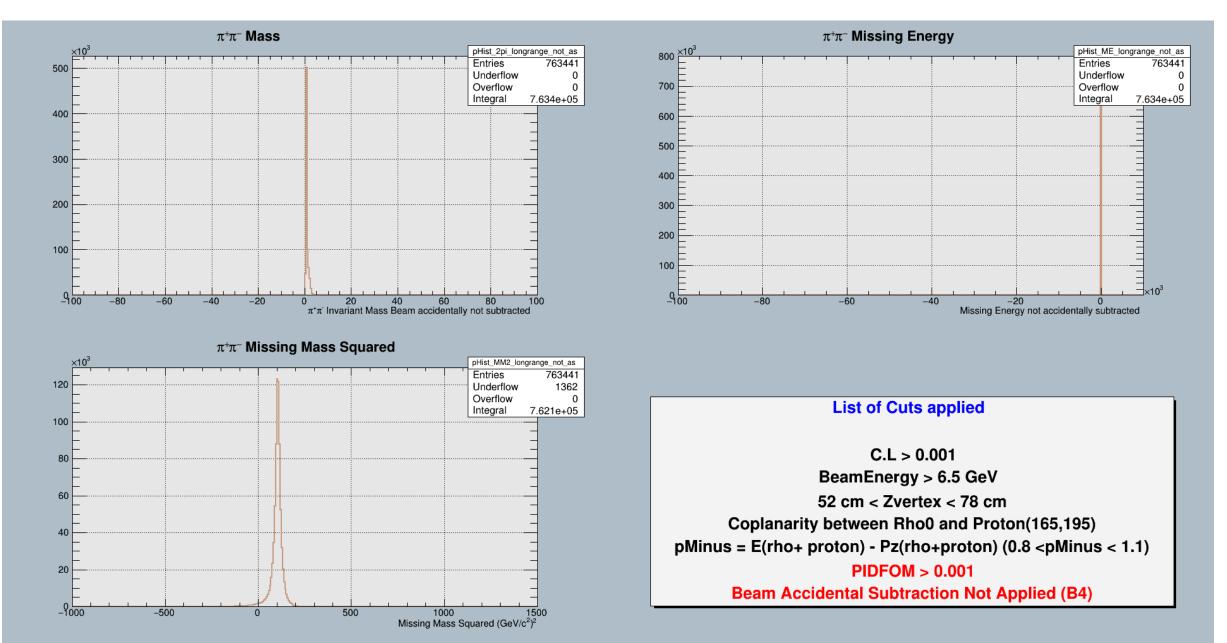
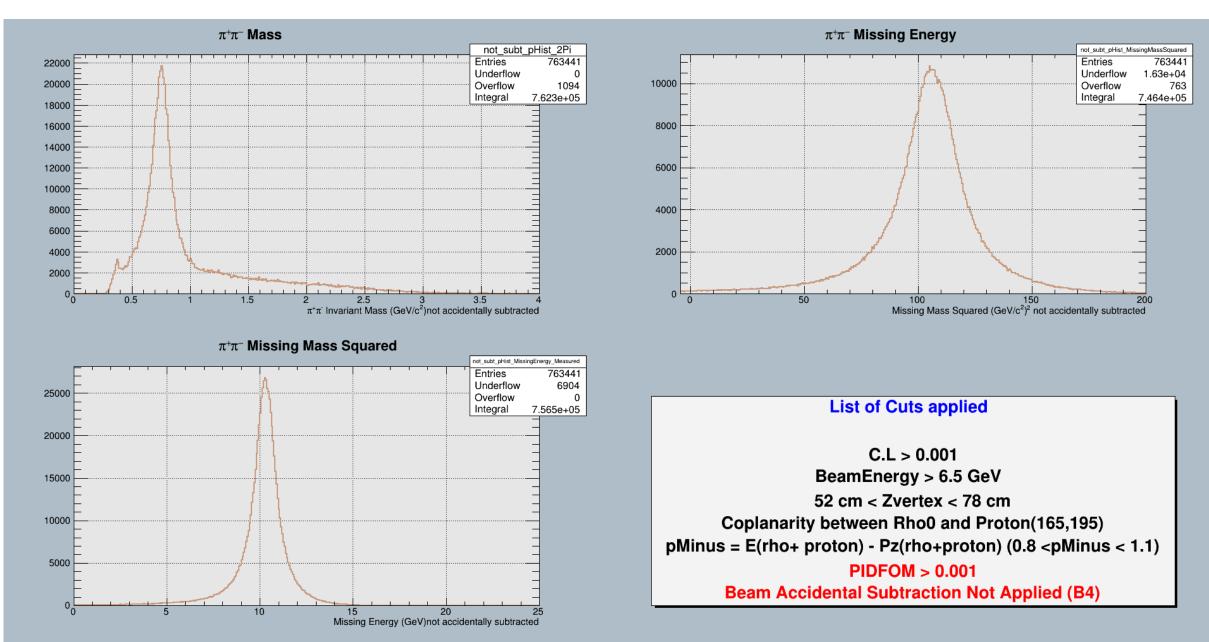
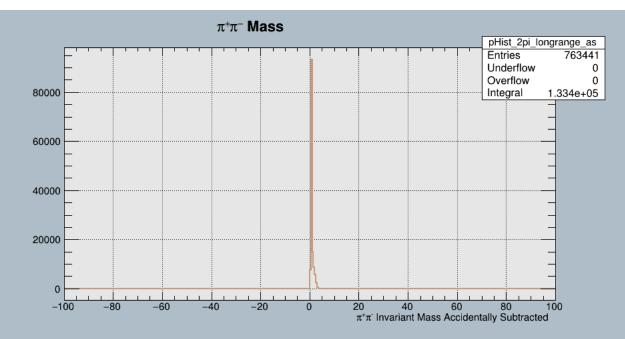
Prelim Analysis for Rho0 channel in Carbon12

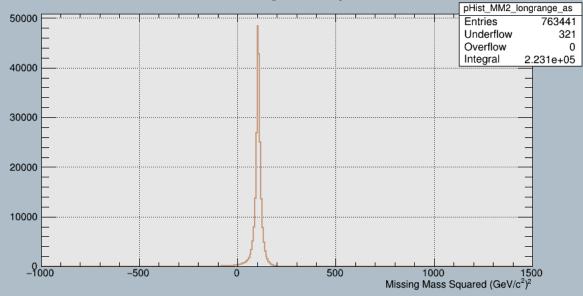
- ReactionFilter plugin is used to find the events for Rho0 channels to make Analysis Trees.
- $\gamma + C12 \longrightarrow \pi^+ + \pi^- + p + (Boron11)$
- Reaction : 1_67__8_9_14_m66
- Flags : F4_B4_T2_S5
- F4 = 4Momentum and Vertex constraint Kinfit
- B4 = includes beam photon from 4 beam bunches on either side of prompt peak(B1default)
- T2 = Exclude events with more than 2 additional tracks (T3 default)
- S5 = Exclude events with more than 5 additional shower (999 default)
- $\gamma + C12 \longrightarrow \pi^+ + \pi^- + p + (unknown)$
- Reaction : 1_67__8_9_14_m0
- Flags : F4_B4_T2_S5
- Dselector is used for analyzing of "Analysis Trees" produced from Reaction Filter Plugin.

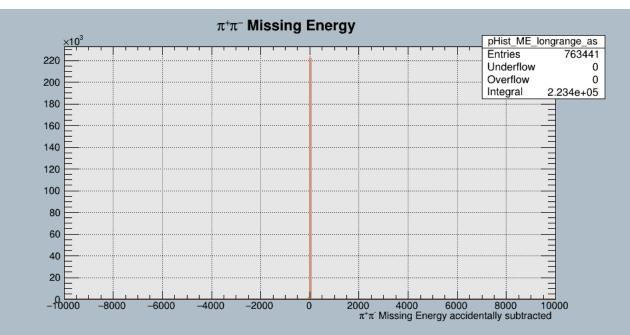


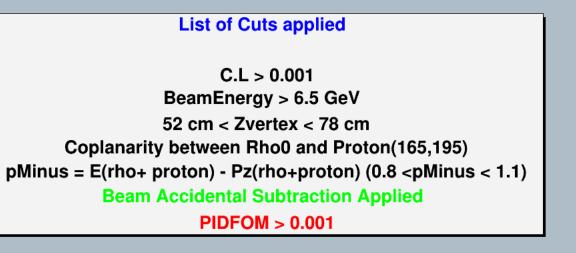


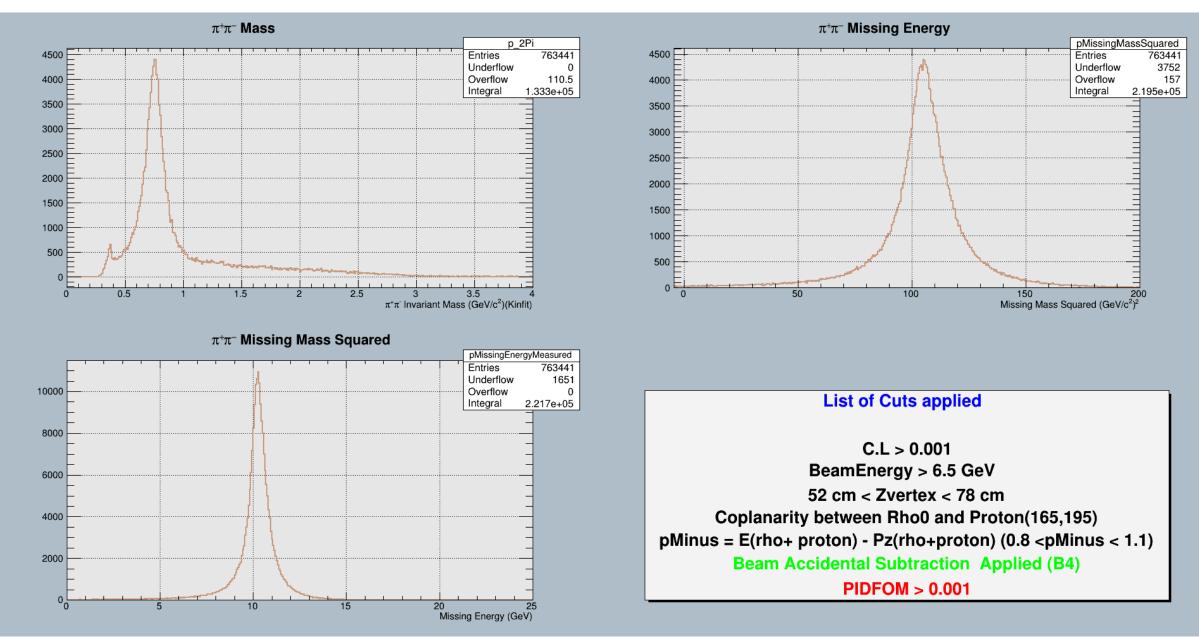


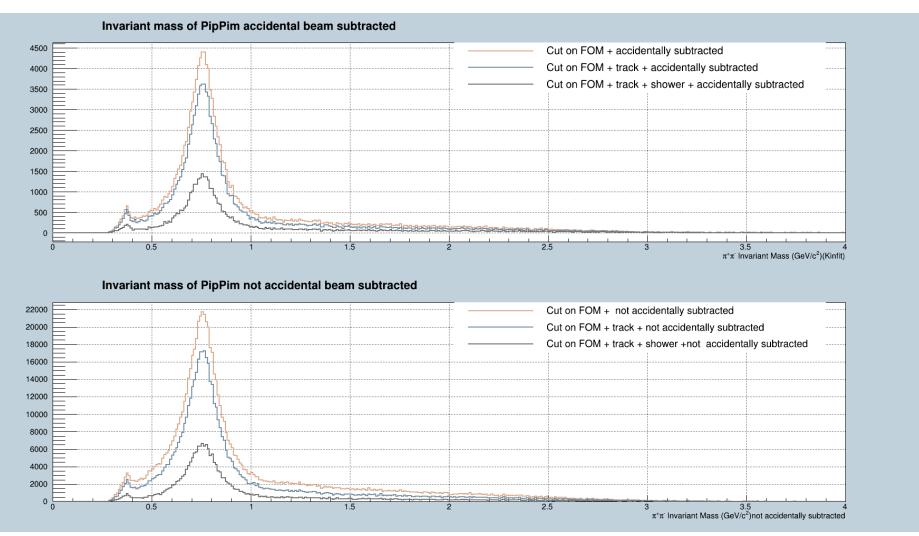
 $\pi^+\pi^-$ Missing Mass Squared





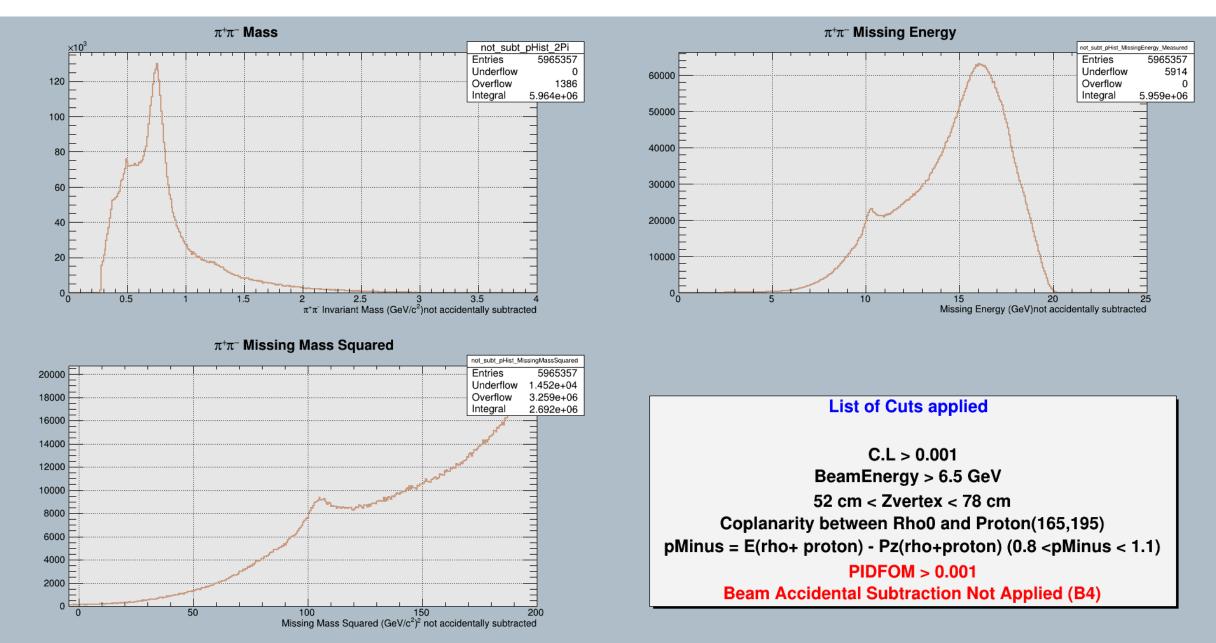




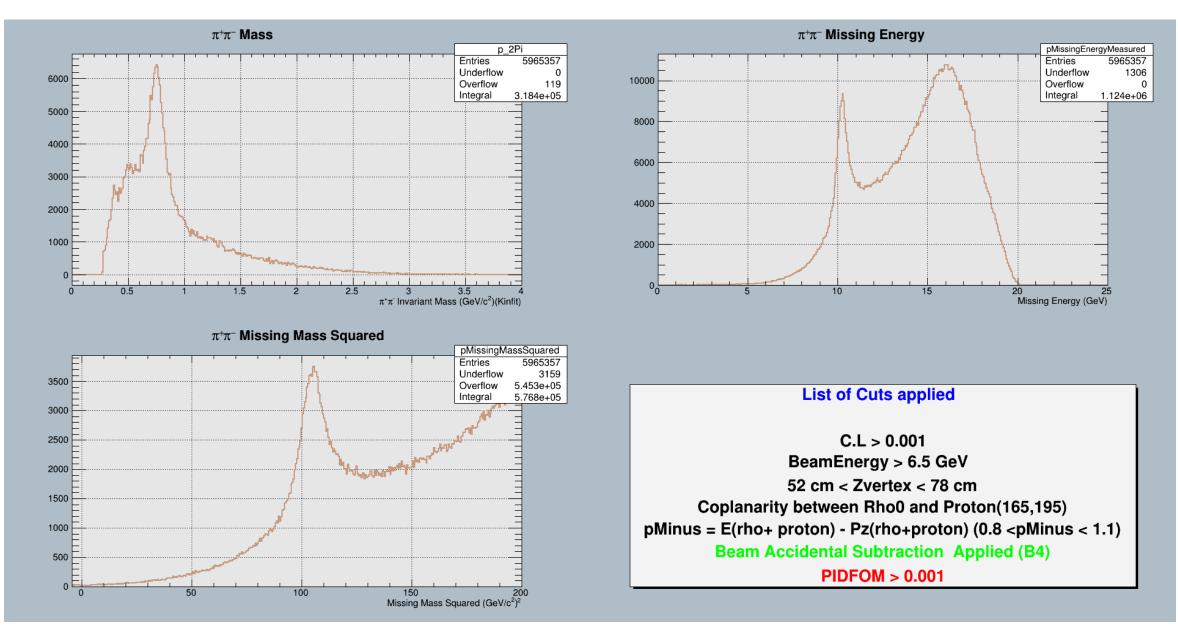


We have 2 extra tracks and 5 extra shower in our reactions.

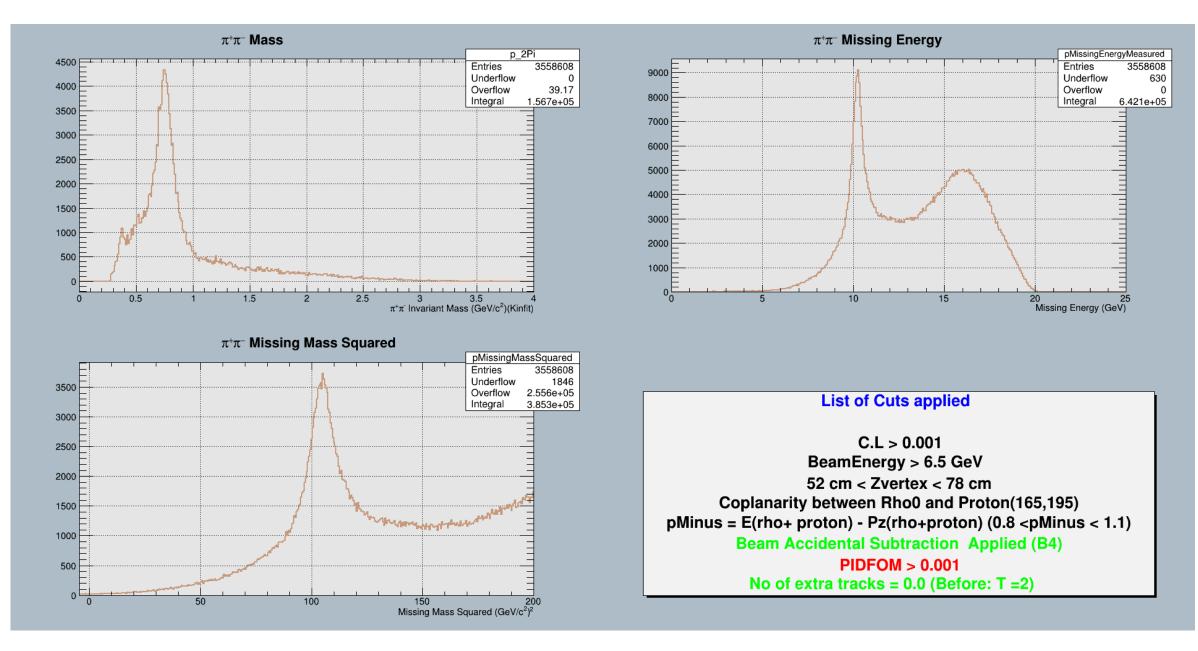
$\gamma + C12 \rightarrow \pi^+ + \pi^- + p + (missing X)$



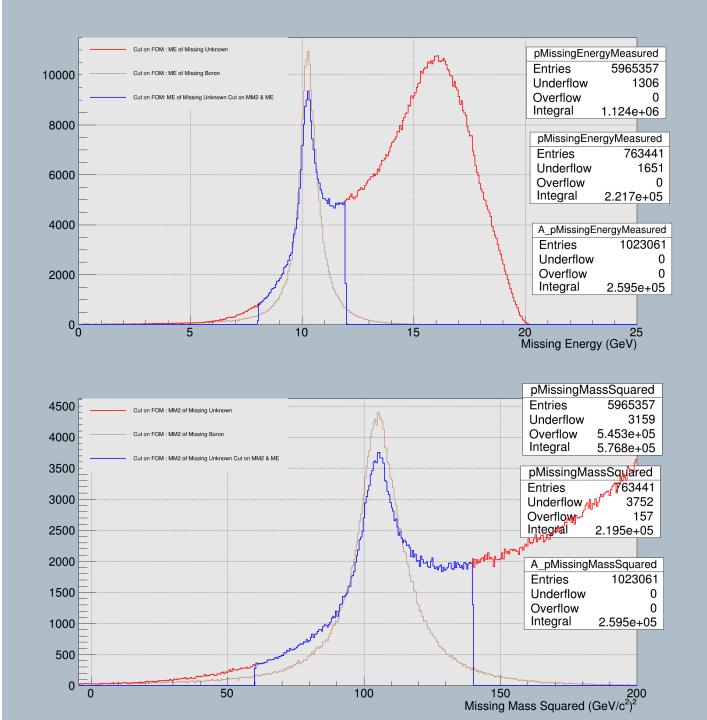
 $\gamma + C12 \rightarrow \pi^+ + \pi^- + p + (Missing X)$

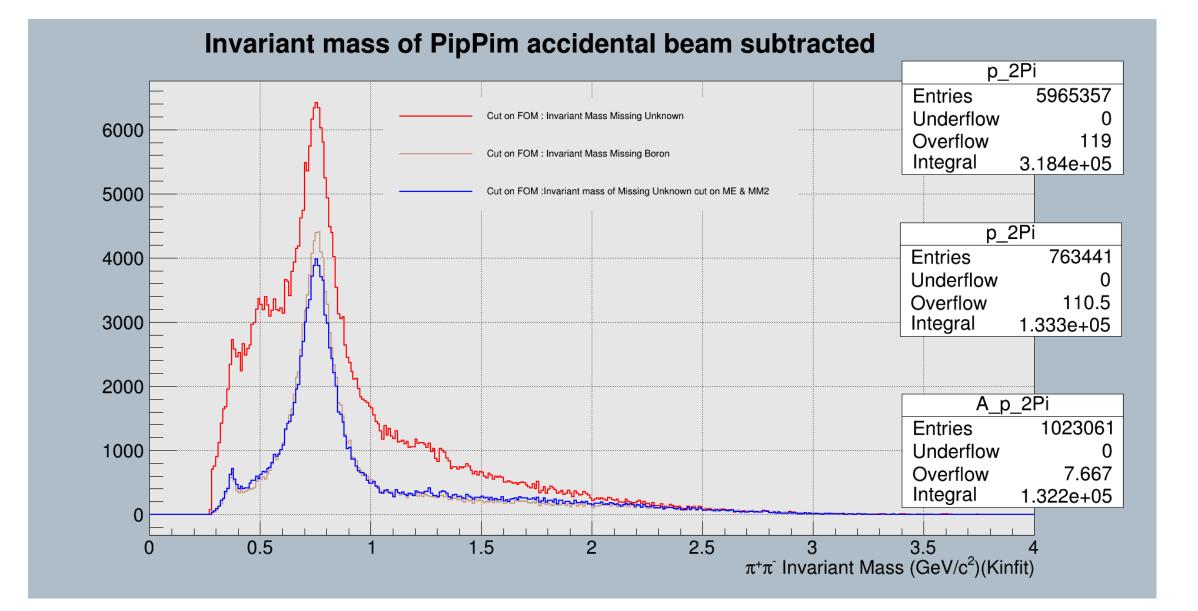


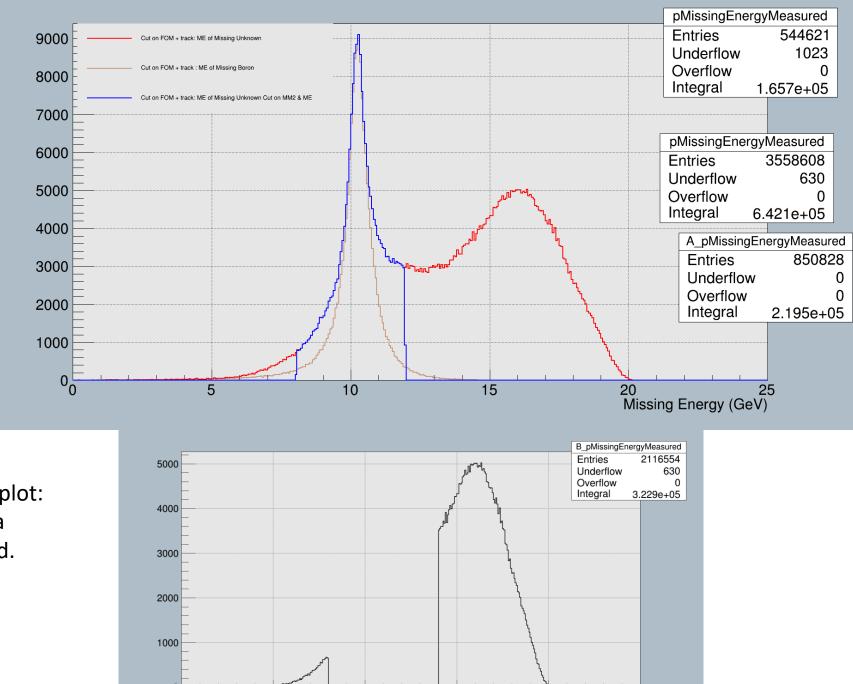
$\gamma + C12 \rightarrow \pi^+ + \pi^- + p + (missing X)$



Missing Energy and Missing Mass Squared plot: FOMPID cut applied.







10

15

20

25

Missing Energy plot: FOMPID + extra track cut applied.

Invariant mass of PipPim accidental beam subtracted

