

2 and 3 pion analysis

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For the MesonEx experiment

15/11/18

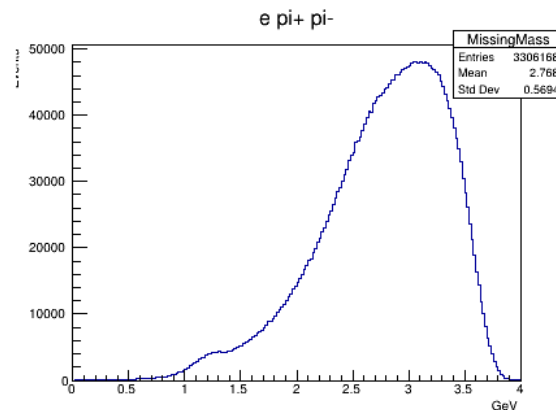
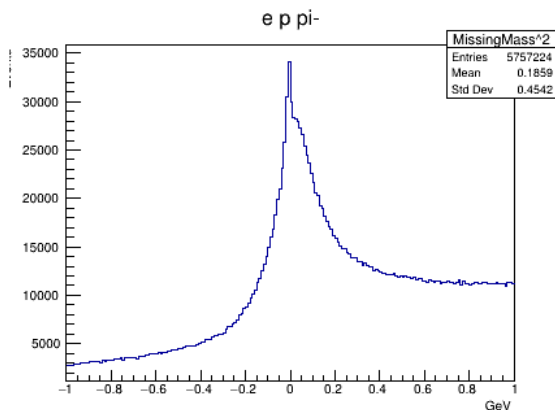
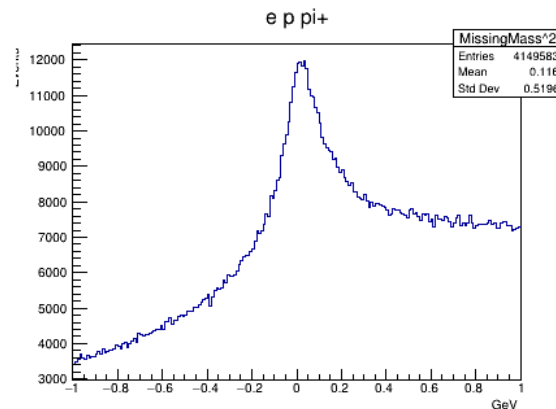
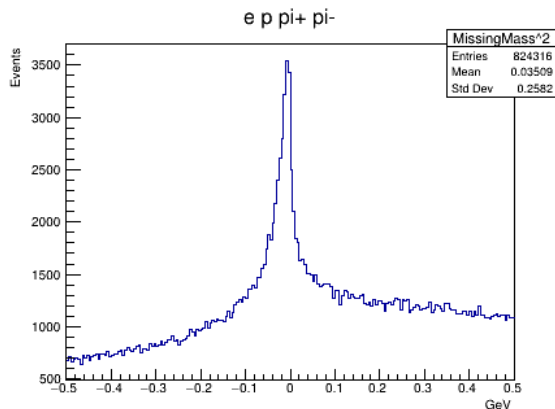
2 Pion

Analysed 5 skimmed DSTs, outbending -ve

Plan to measure rho SDMEs, 2pi spherical harmonic moments + amplitude analysis

Used to validate CLAS12
for meson spectroscopy

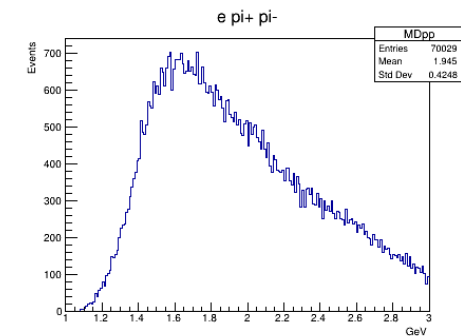
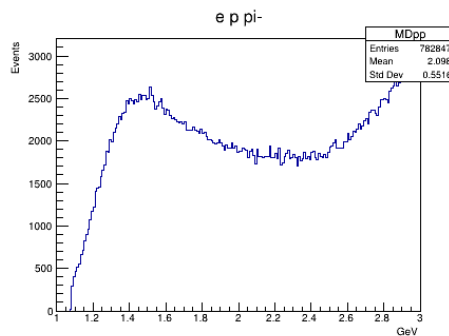
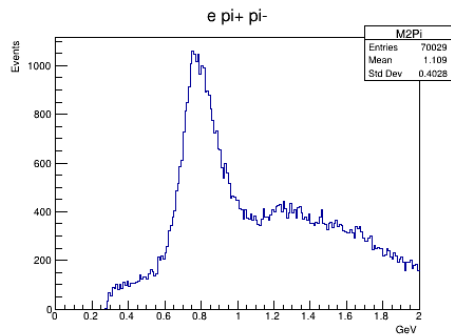
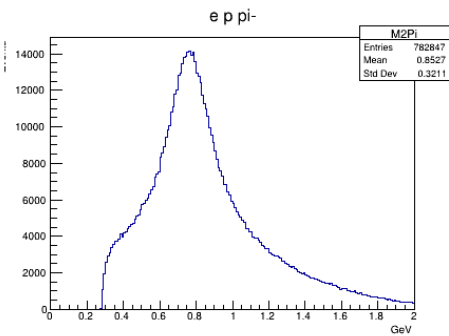
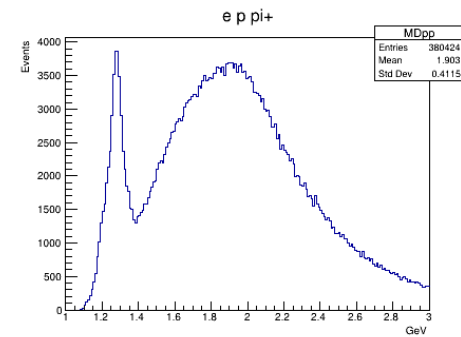
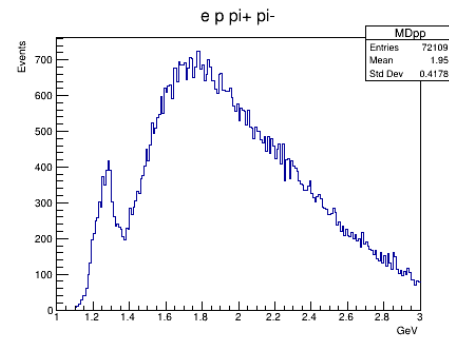
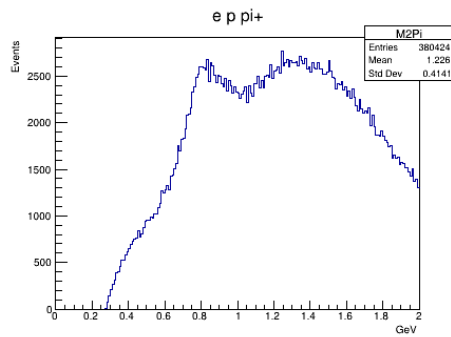
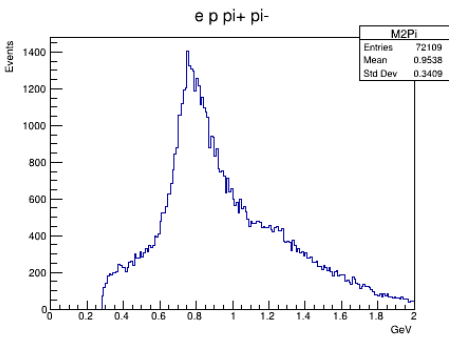
Needs acceptance correction
Investigating including trigger
in simulation, data stream?



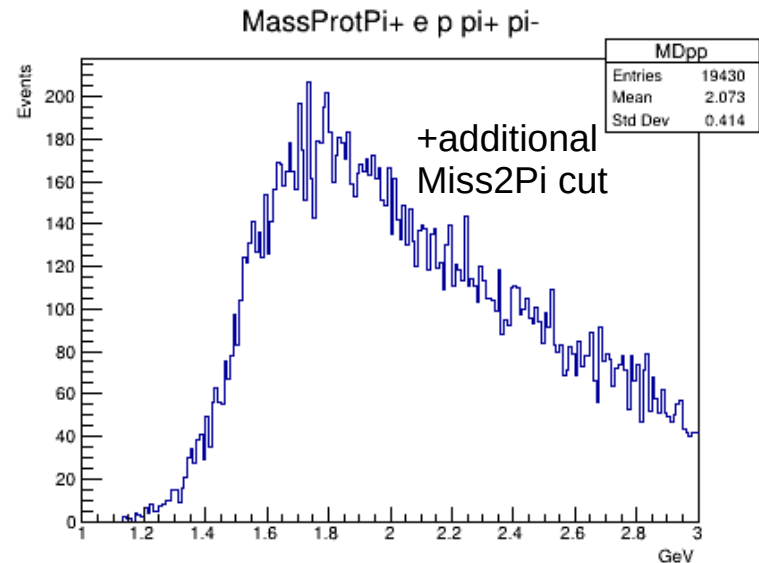
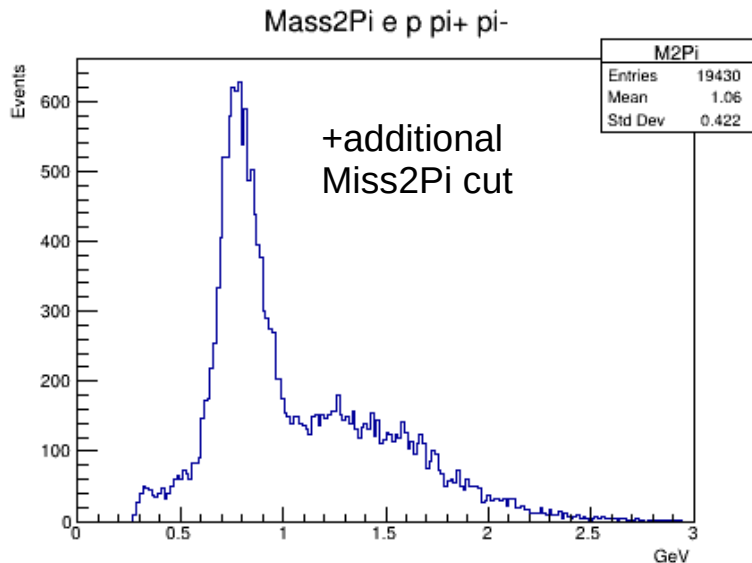
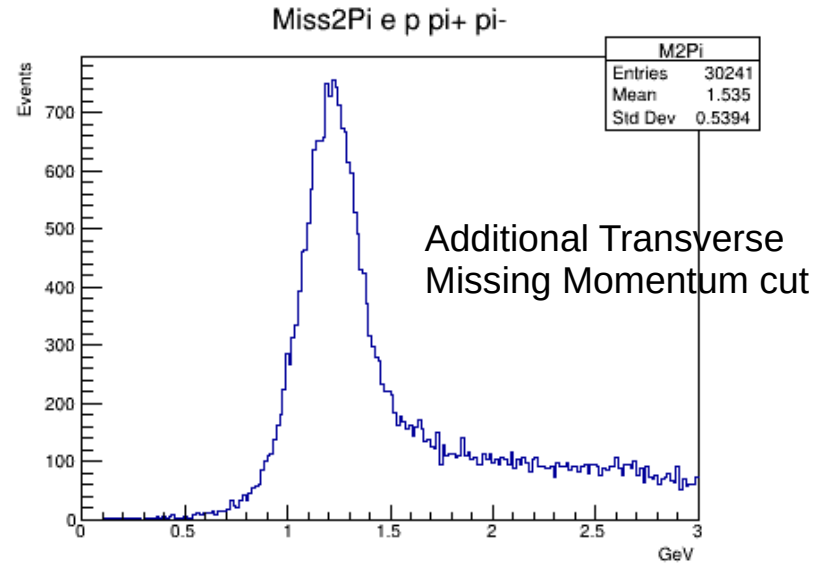
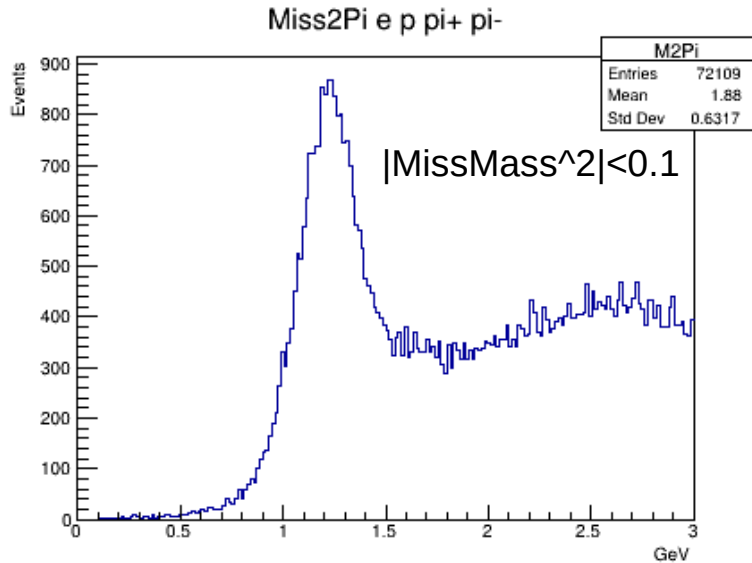
2 Pion

2 pi invariant mass cut on missing mass

Proton pi+ invariant mass cut on missing mass



2 Pion Exclusive Topology



3 Pion

Requires full amplitude analysis
acceptance corrections
acceptance should be poor for -ve outbending!

