Monitoring Hists
Hist_NumReconstructedObjects
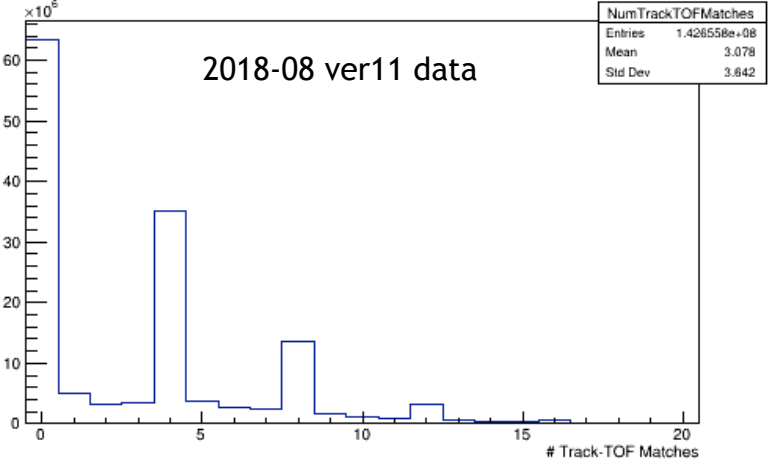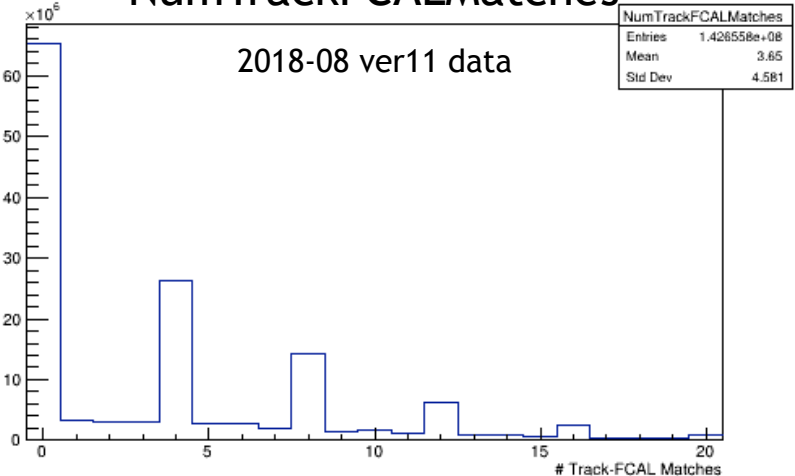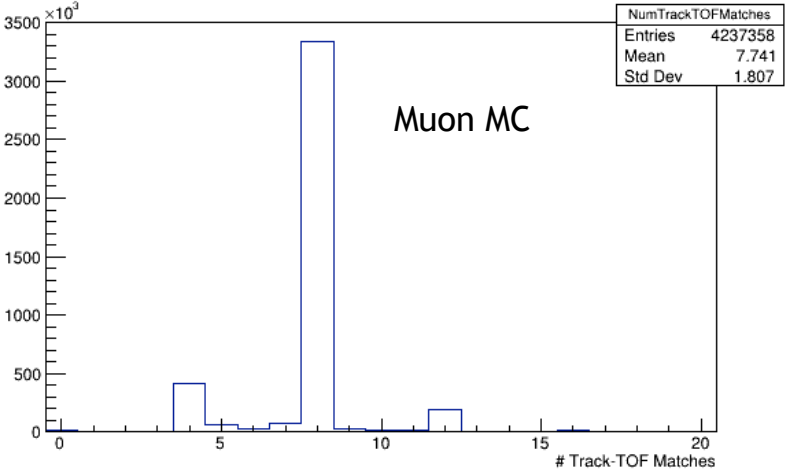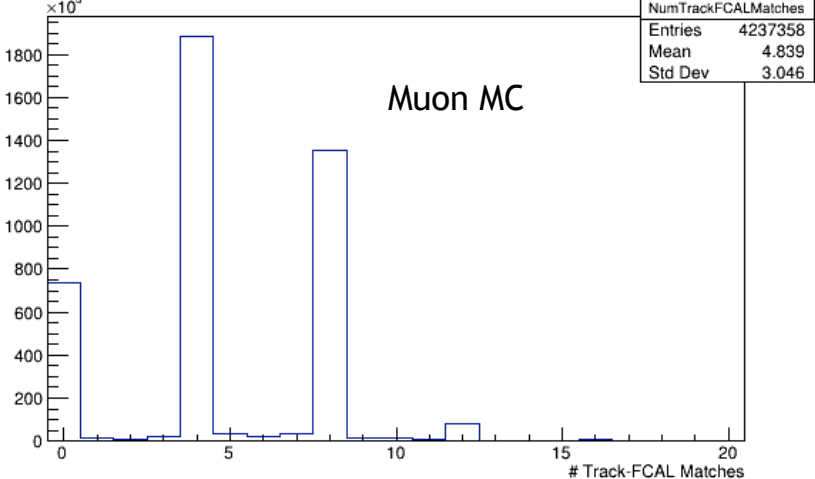
CPP Test Run
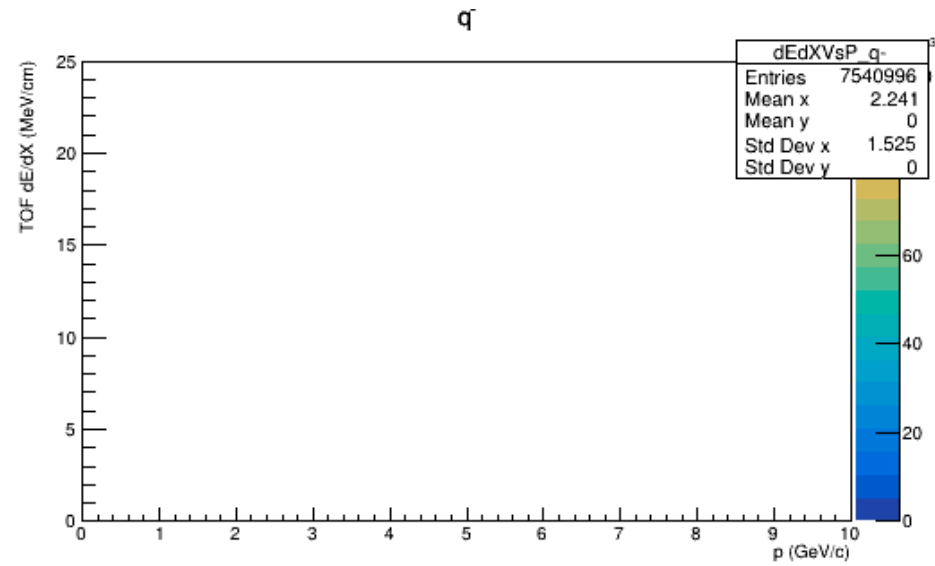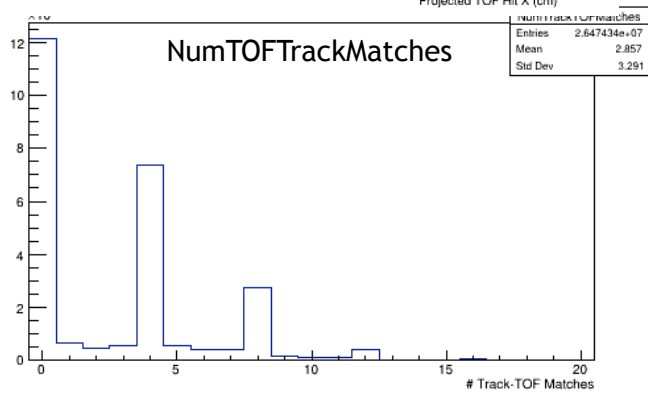
Evidence that TOF info isn't totally missing
There are hits!

But TOF dE/dx is always 0 in monitoring hists,
and ROOT trees...

$\gamma p \rightarrow \mu^+\mu^-(p)$ Monte Carlo simulation

Last week:

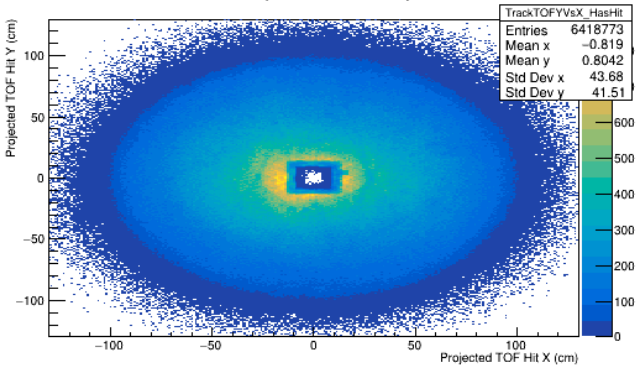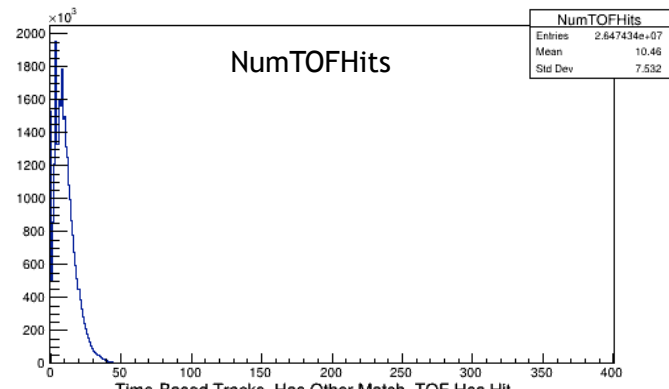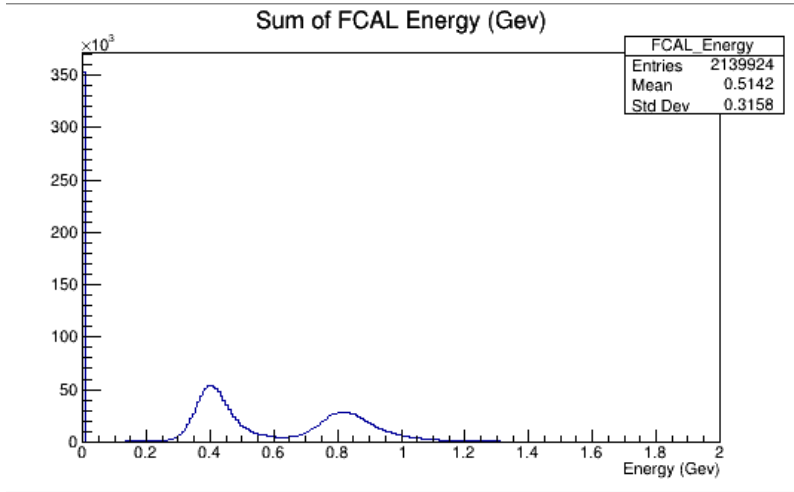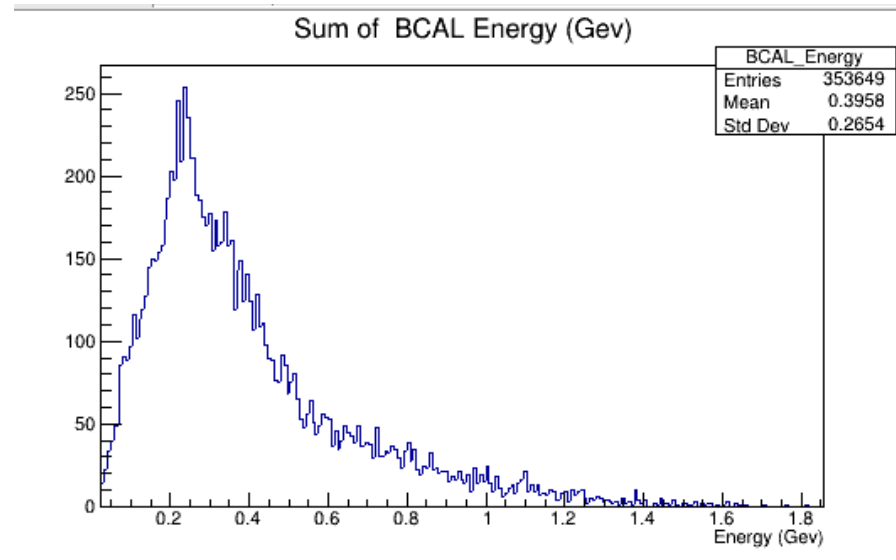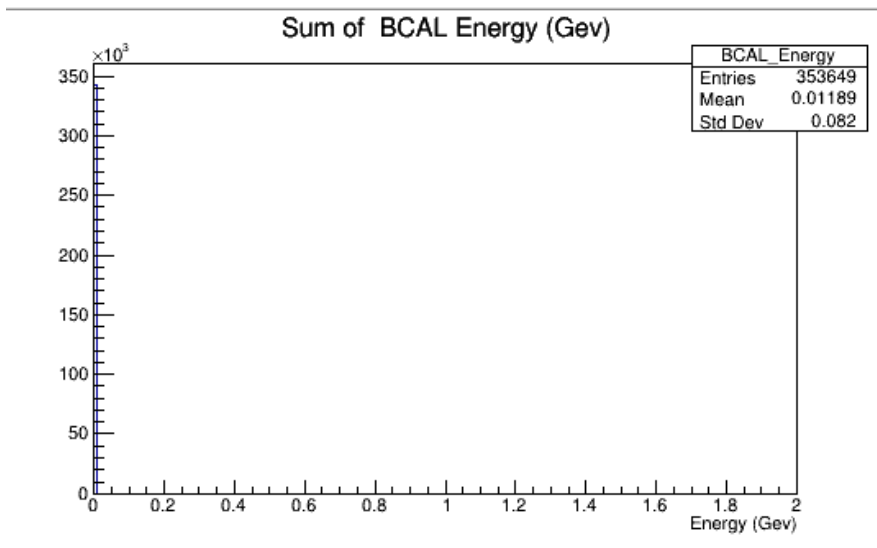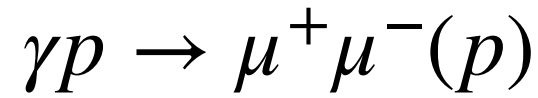Just look at events with
E1_FCAL + E2_FCAL = 0

Only 3% of these events have nonzero
BCAL summed energy

Ok...could just
be unused shower
energies, proton
triggers, unused tracks

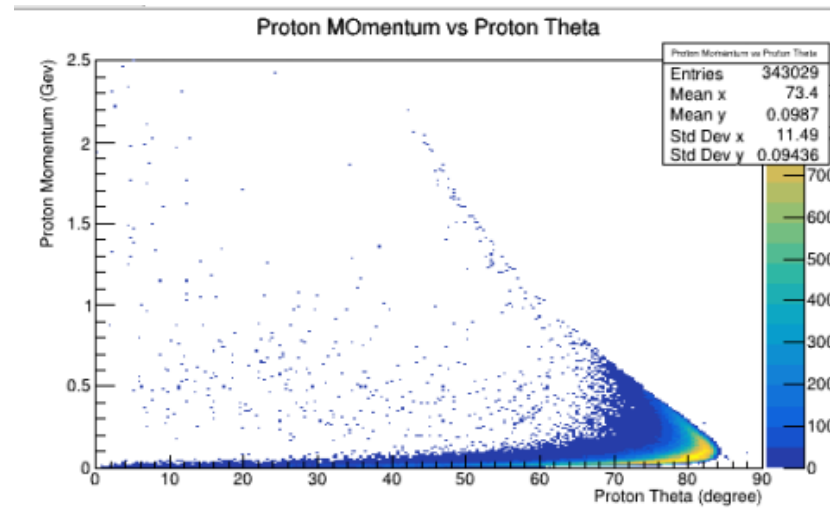Let's look at just events
with BCAL E1+E2 and
FCAL E1+E2 = 0

University *of* Massachusetts Amherst

Muon Monte Carlo
$$\gamma p \rightarrow \mu^+ \mu^- (p)$$

E1_FCAL + E2_FCAL = 0
E1_BCAL + E2_BCAL = 0

$\int_{2}^{401} (E22+E23+....E401)dN = 3775$
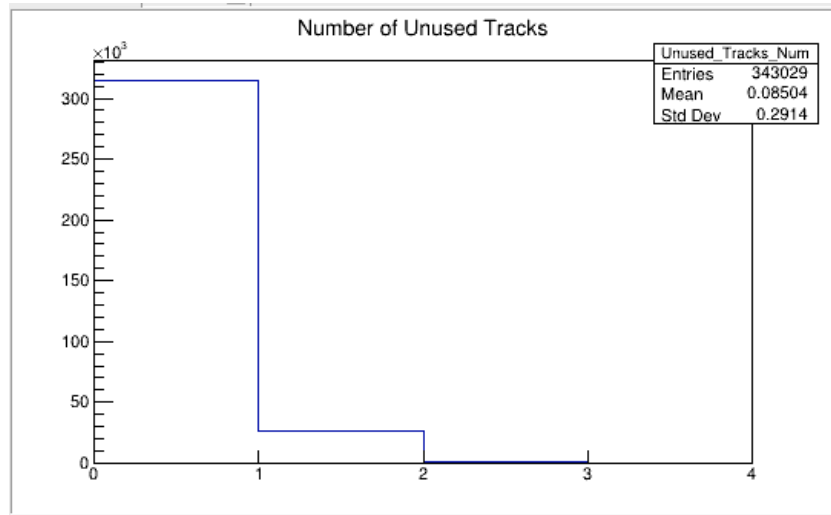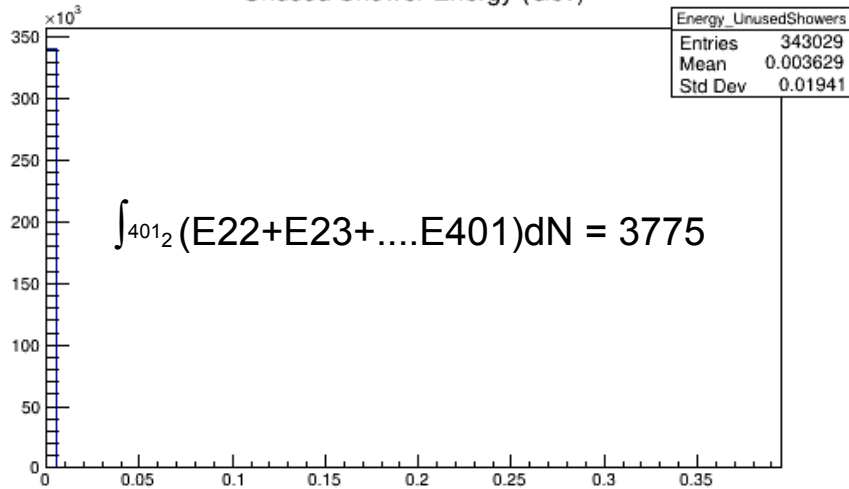
(Values from Missing Proton Kin Fit)

If a proton track is used for the trigger, is it considered an unused track?

Reconciling TTree with monitoring_hists

From monitoring_hists/independent/
Hist_Reconstruction/Tracking

From TTree

From monitoring_hists/mupmummissprot__B2/
Hist_PID/Muon+/FCAL