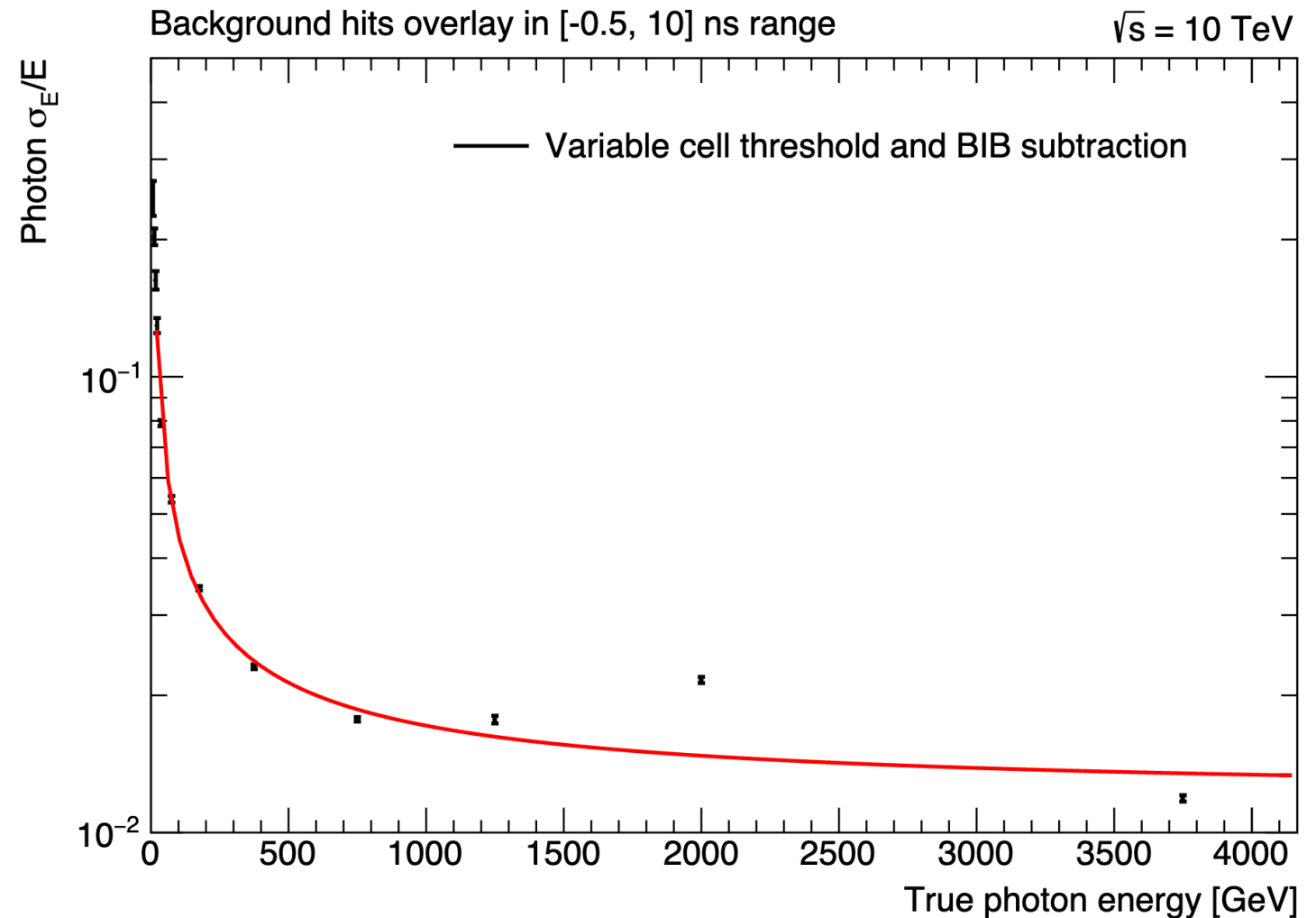


Updates 2/7/24

- Paper: a first photon resolution plot
- Taus: strange features in energy plots

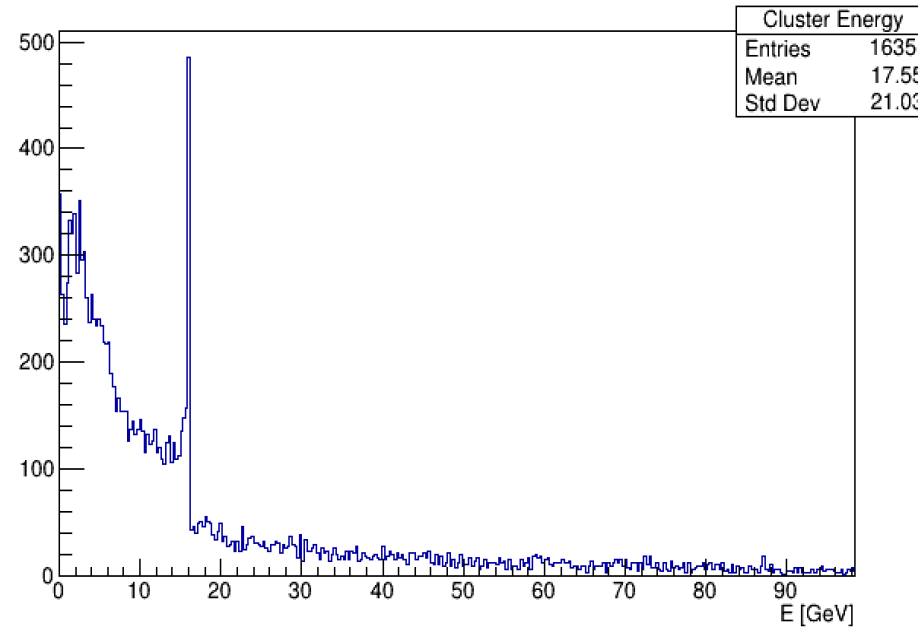
Photon Resolution – First plot

- Data:
/tank/data/snowmass21/muonc/fmeloni/
DataMuC_MuColl10_v0A/reco_highrange
/photon*
- Energy range of 0-5000 GeV
- Used Fede's pyLCIO macro
study_photons.py and a tweaked version
of
plot_photon_resolution_experimental.py
- Formatting tweaks?
- This data doesn't have BIB overlay... need
to change those labels
- Does it look ok content-wise?



Photon Energy in Tau Gun Sample

- Strange spike in energy spectrum of PandoraClusters, seems to be due to photons:



- Took a look at PFO energies for several different particles, the spike appeared only for photons
- See at right the energy distribution for PFOs tagged as photons, and for MCP photons (far right)
- The input for PFO plot was restricted to PDG=22 (photons), as was the gen plot:

