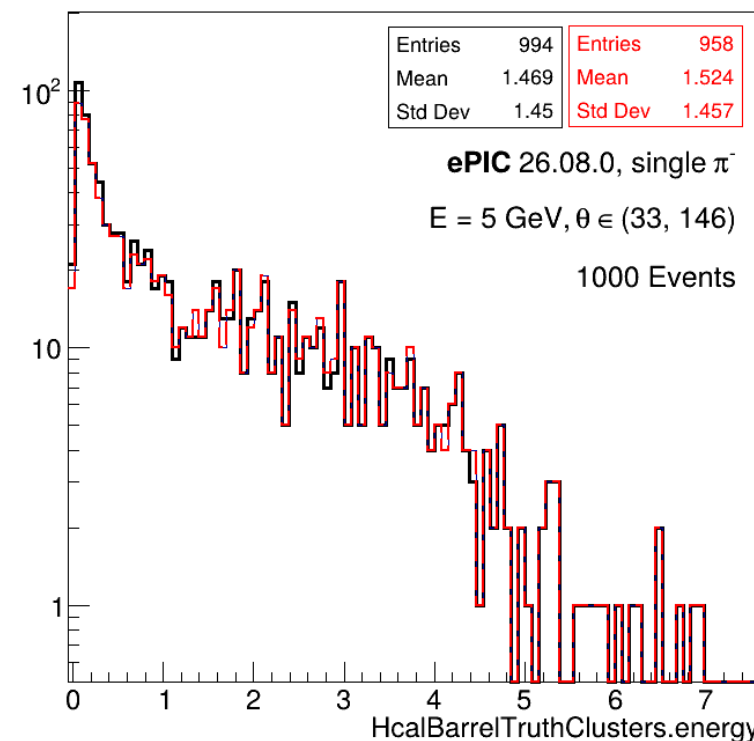


Truth Clustering Update

- **Reminder:** truth clusters out-of-date in 2 regards (see [EICrecon#2072](#)):
 - a) Particle assignment at odds w/ MC-Cluster Associations
 - b) Does not use raw-sim hit relations
- Decided on a fix in [02.18.2026 CCWG meeting](#):
 - Hits assigned to a cluster for *each* contributing primary, weights set to relative contribution of each particle
- **Merged [EICrecon#2336](#) last night!**
 - Addresses (b) and updates particle assignment to select “primaries”
 - ☞ (status == 1, same as cluster-particle associations)
 - Gets close to fix, but still need a PR to calculate weights

HcalBarrelTruthClusters.energy



- **Above:** old (black) vs. new (red) BHCAL truth cluster energy distribution
 - There *will* be differences! Let us know if anything looks *wrong*...