Calorimetry Working Group Meeting 04/09/2015

## FCAL Update

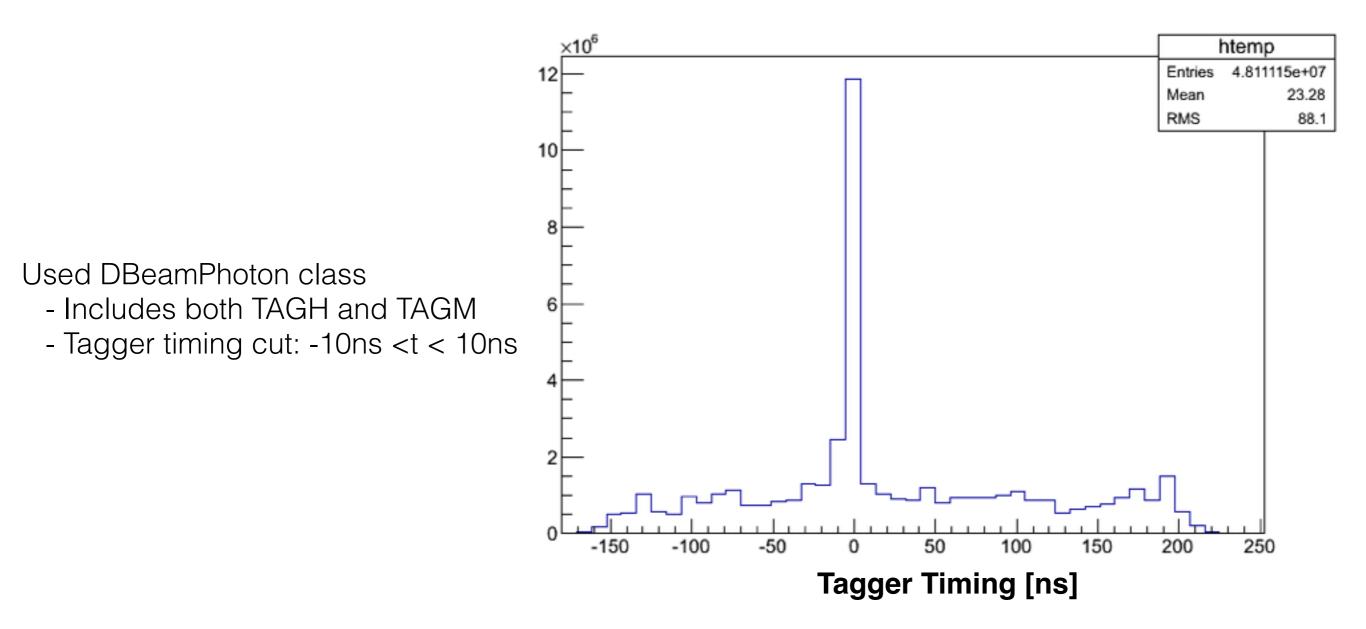
Adesh Subedi

#### Estimate number of Pi0s at 5.5 GeV

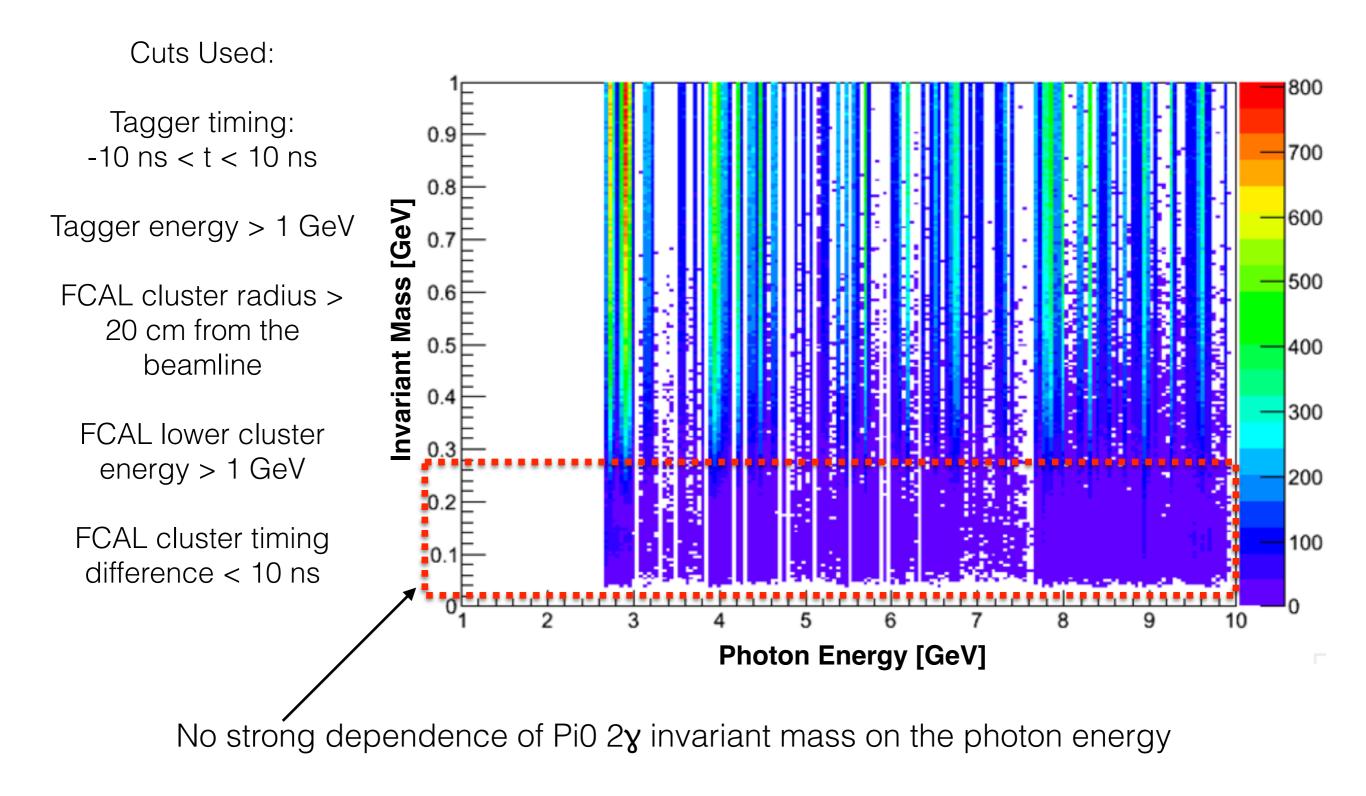


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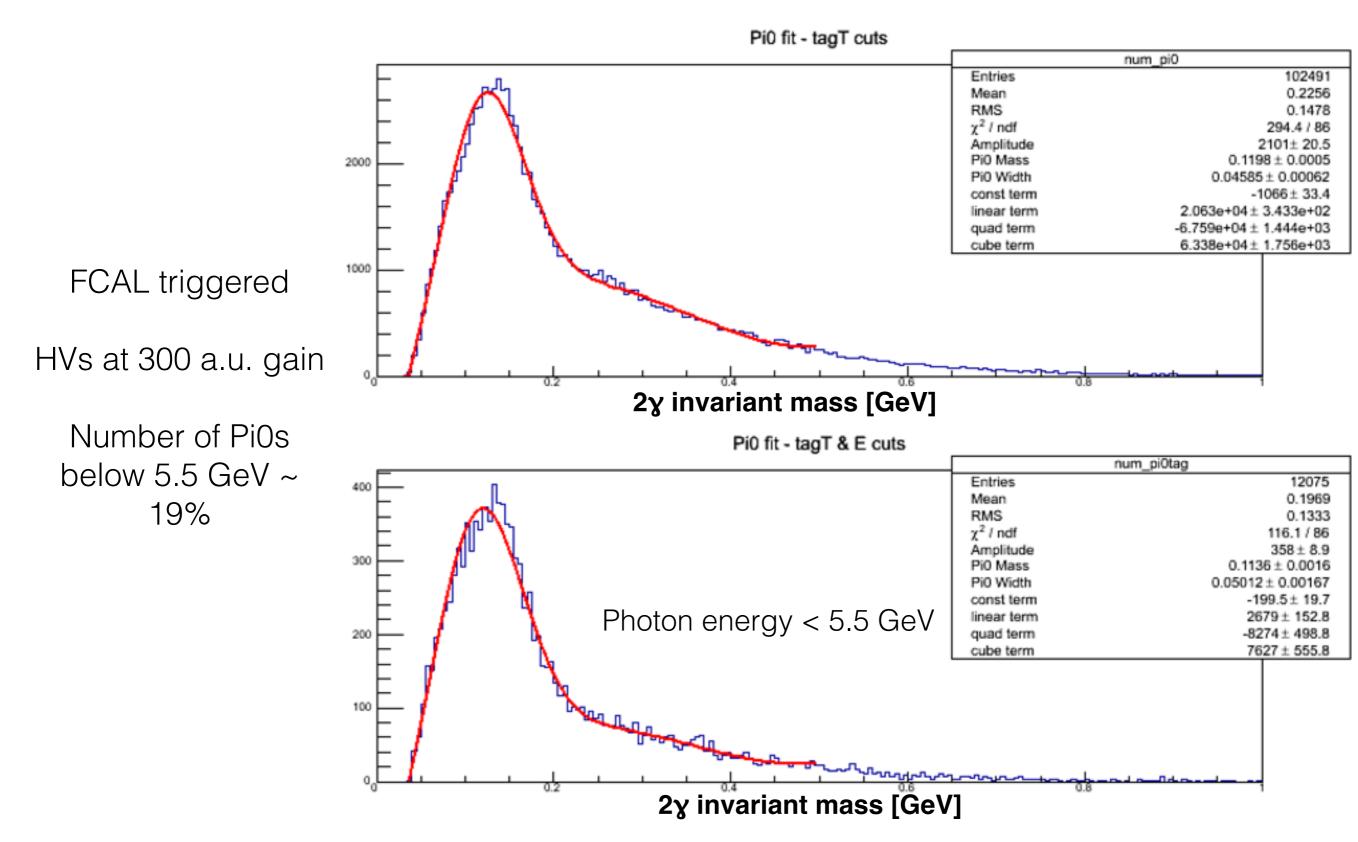
# Tagger timing



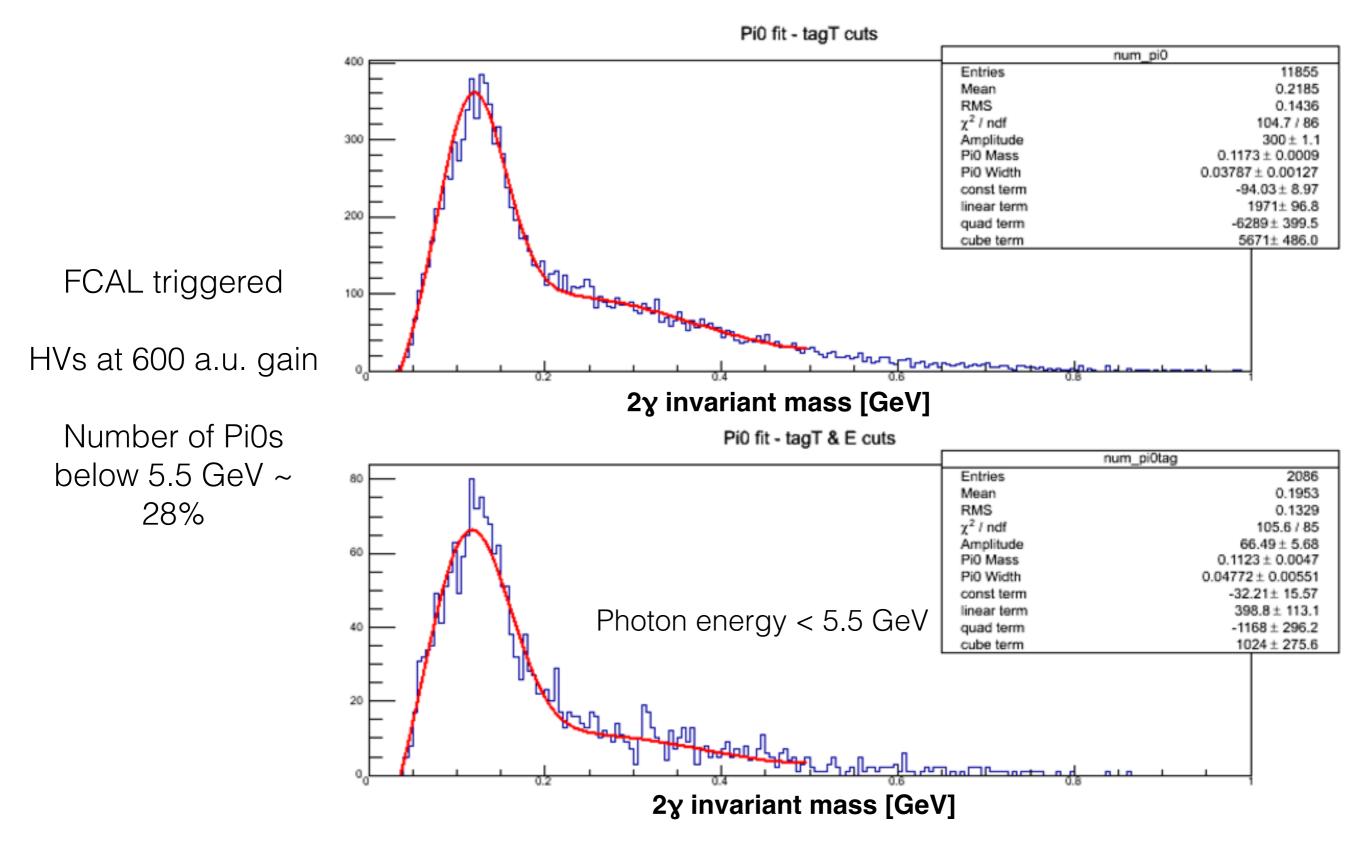
#### Invariant Mass vs. Photon Energy



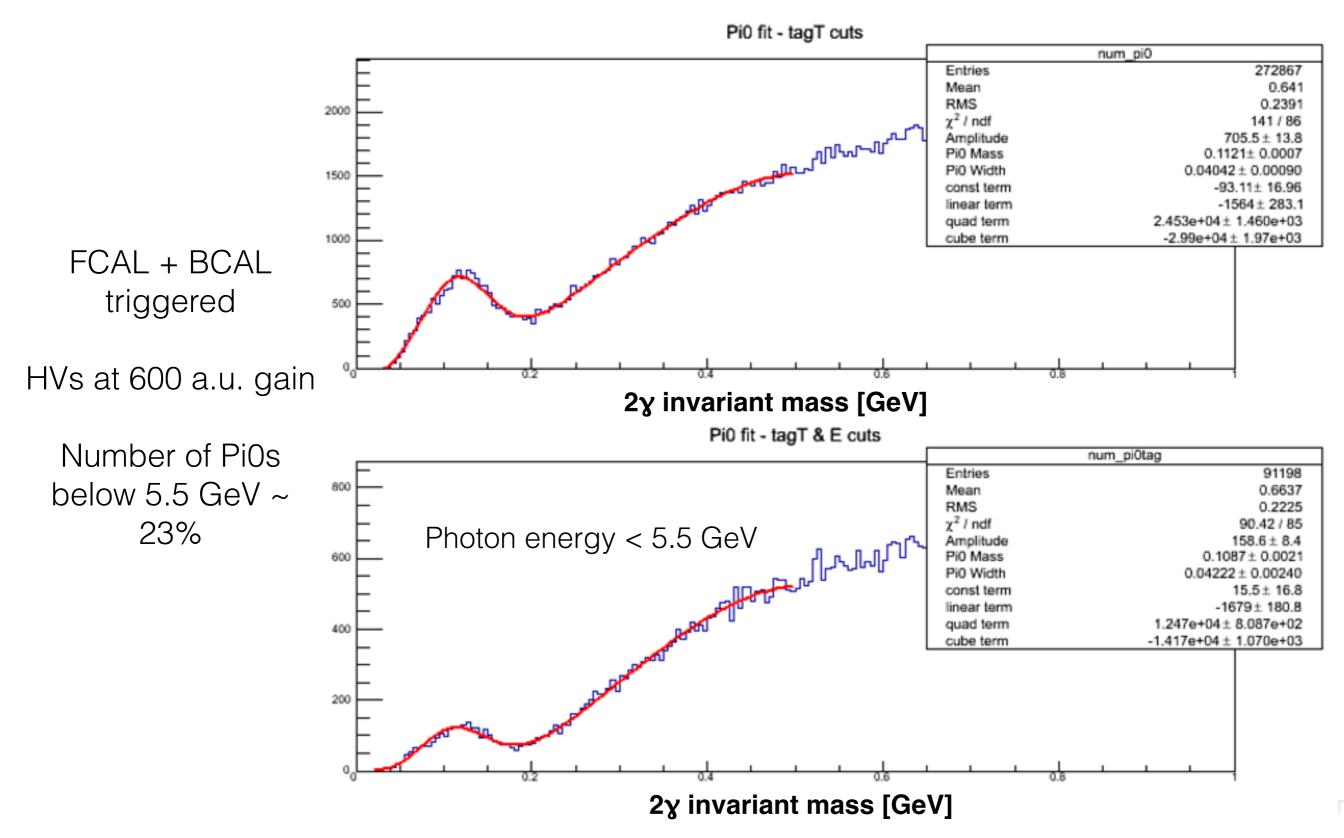
### Number of PiOs



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### Number of PiOs



### Summary

Number of pi0s in FCAL NOT ∝ 1/E (photon energy)

Under identical running conditions (including time limit) as that of last Fall, we'll get about 30% of total pi0s at photon energy < 5.5 GeV

Background changes with trigger type; need a robust trigger

To do: study variation of number of pi0s as a function of total hit energy