

# SiW ECAL Simulation Update

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TB Analysis meeting

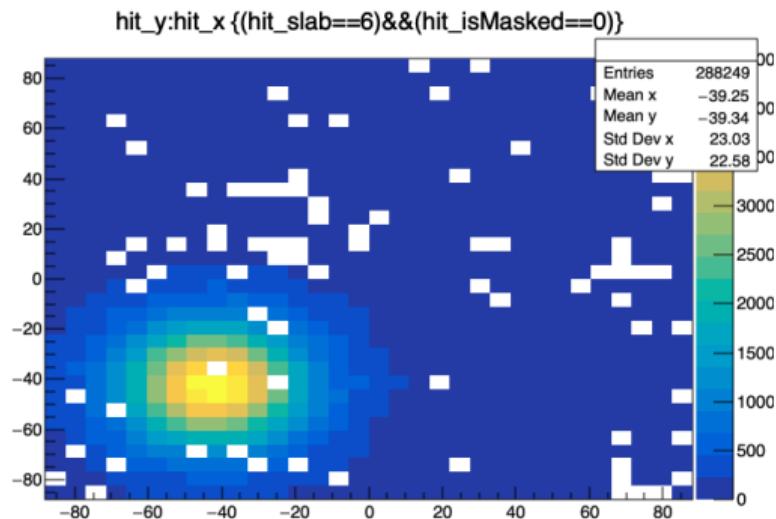
2022/09/21



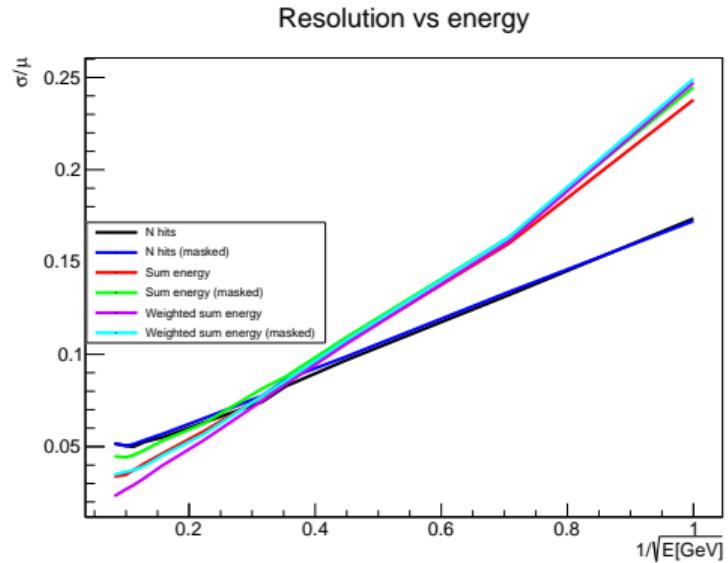
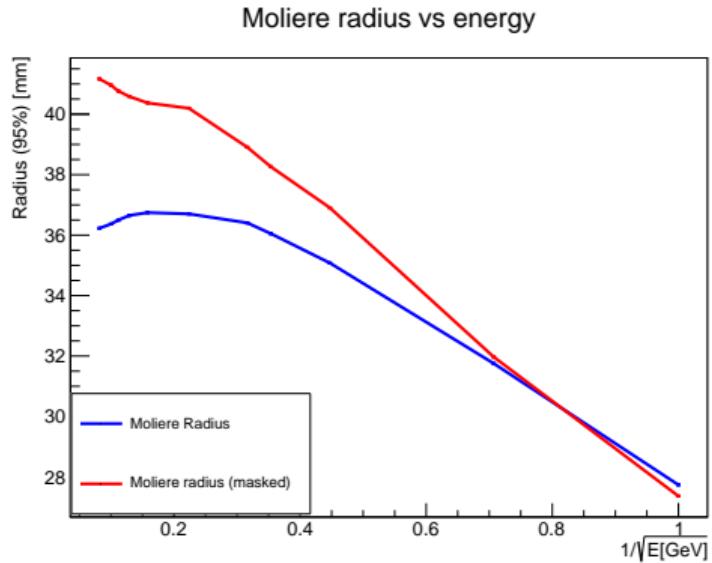
# Simulations used

Used 1-150 GeV e- hitting on the lower left of the detector

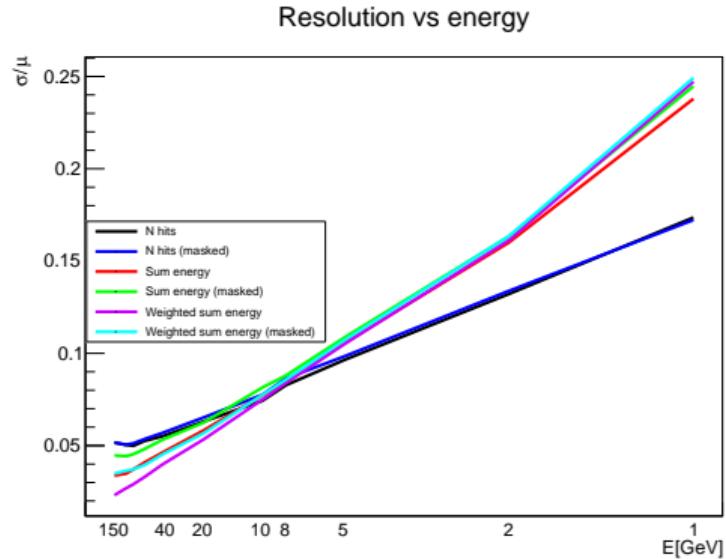
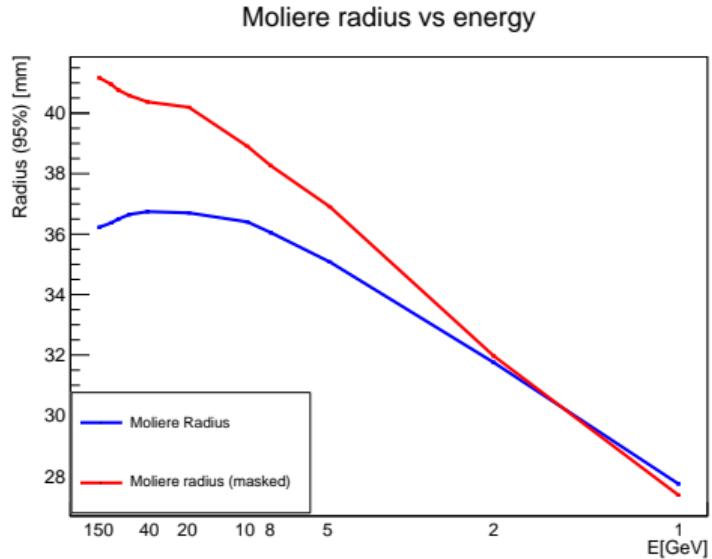
- Conversion to mip using sim muons @ 100 GeV
- Masking now included (90474)
- In example: 1488 masked chans (<10%)



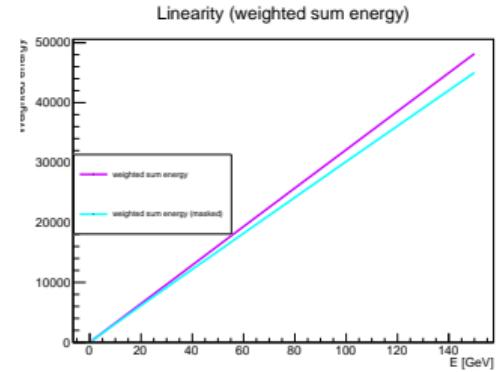
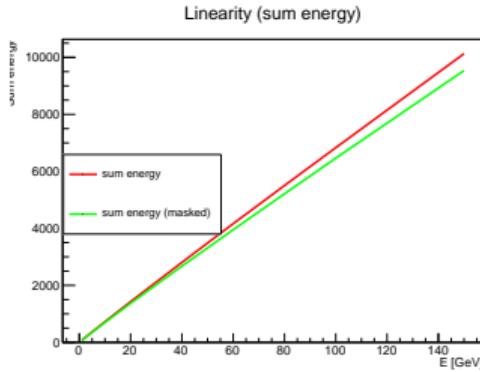
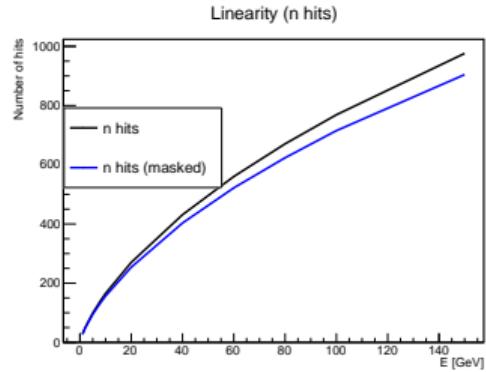
# Moliere radius and resolution vs Energy



# Moliere radius and resolution vs Energy

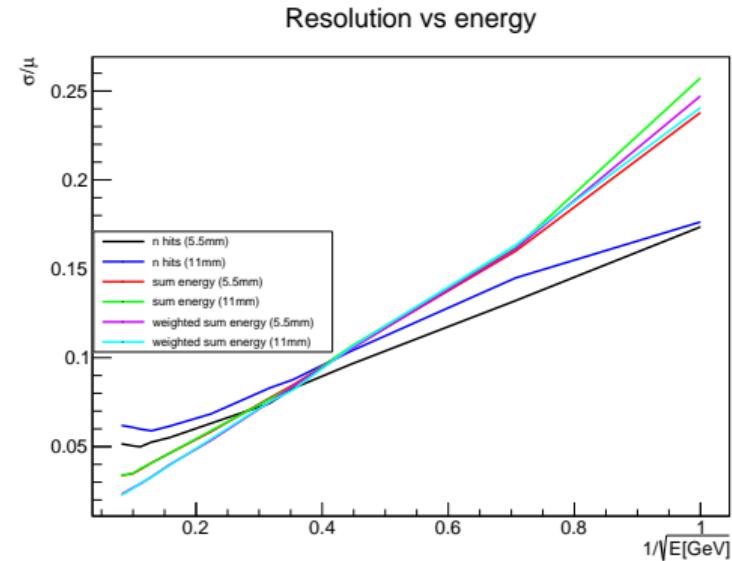
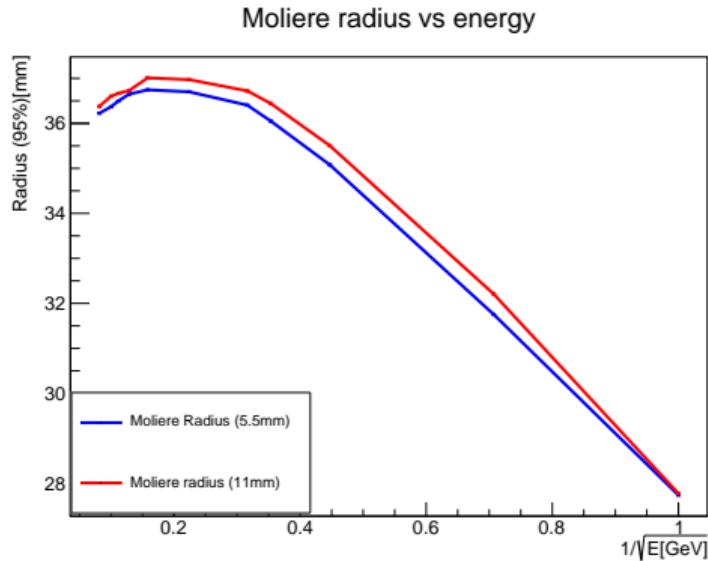


# Linearity



# Doubling cell size

Going from 5.5 to 11 mm squared cells



# Software latest updates

- Several updates including
  - Preparation scripts for generation and processors
  - Masking working
  - Examples, docs
- Need some update/cleanup
  - Shaping
  - Format issue
- “Usable” software (being tested by Yuichi)