Update

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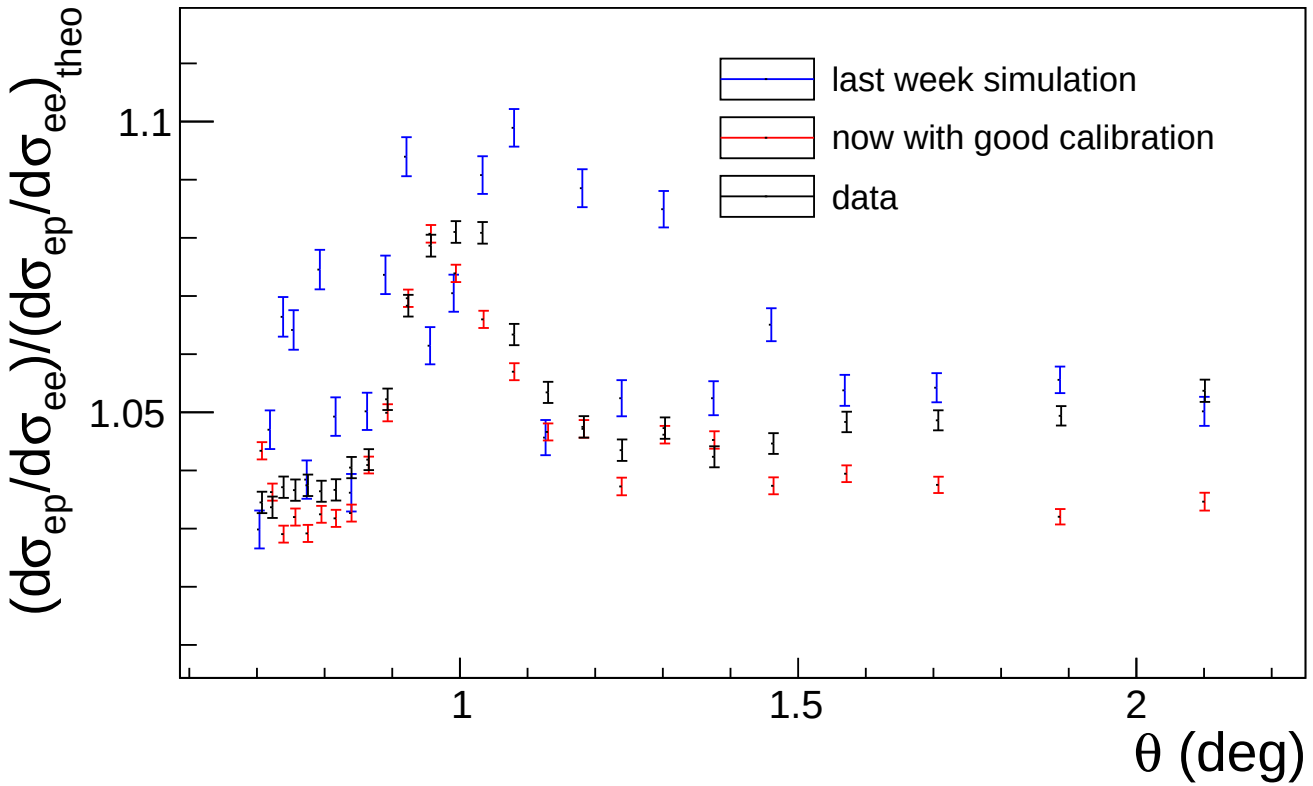
Selection

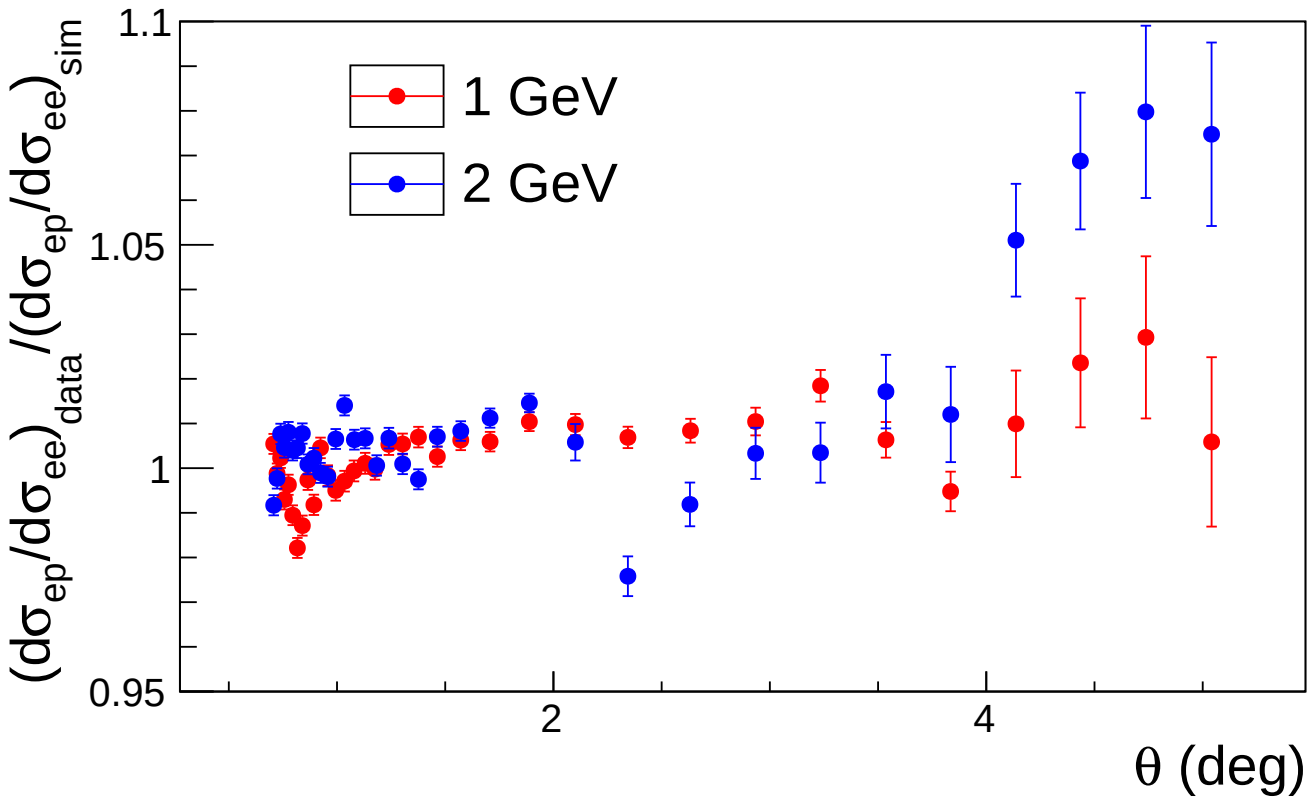
- event selection according to beam current, target pressure...
- fiducial cuts:
  - clusters with center in first and last layers not taken into account
  - 2.075 cm/3.815 cm around center of dead modules removed
- single electron (with GEM coordinates):
  - $\theta > 0.7$ deg
  - $|E_{cluster}/E_{theo} - 1| < 4 \cdot 0.024/\sqrt{E_{theo}}$ (0.065 for LG)
- double electron:
  - $\theta > 0.7$ deg or $\theta > 0.6$ deg for hybrid method
  - $|\Delta\phi - 180| < 5$ deg or $|\Delta\phi - 180| < 10$ deg for hybrid method
  - $|E_1 + E_2 - E_{beam}| < 4 \cdot \sqrt{0.024^2 \cdot E_1 + 0.024^2 \cdot E_2}$ (0.065 for LG)
  - $|z_{vertex}| < 150$ mm for GEM coordinates or $|z_{vertex}| < 500$ mm for hybrid method
  - then single eletron selection with GEM coordinates

Correction of Simulation Calibration bug (2 GeV)



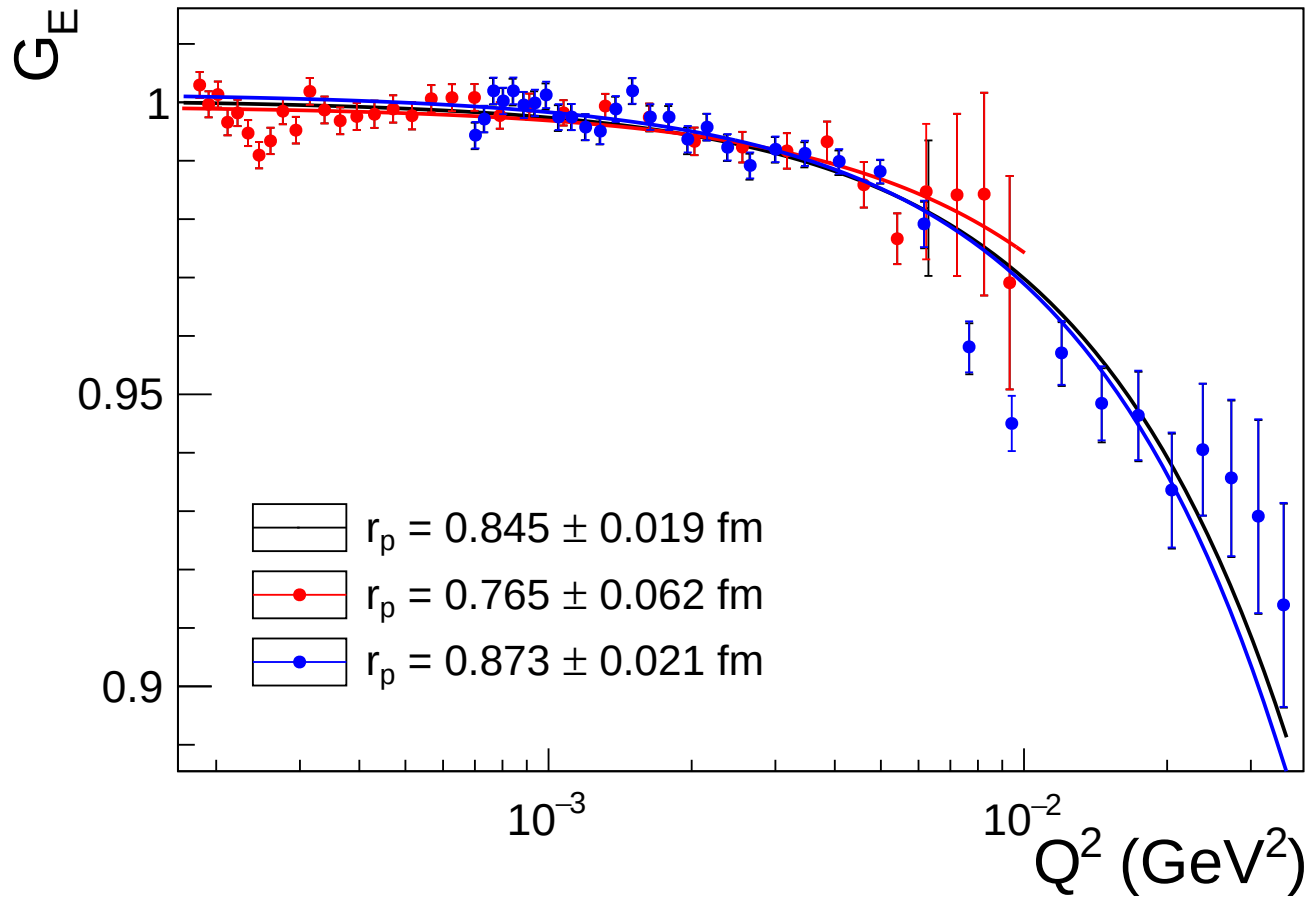
- Small bug in reconstruction of simulation
- Wiggling for 2GeV simulation resolved

Data/Simulation 1 GeV and 2 GeV



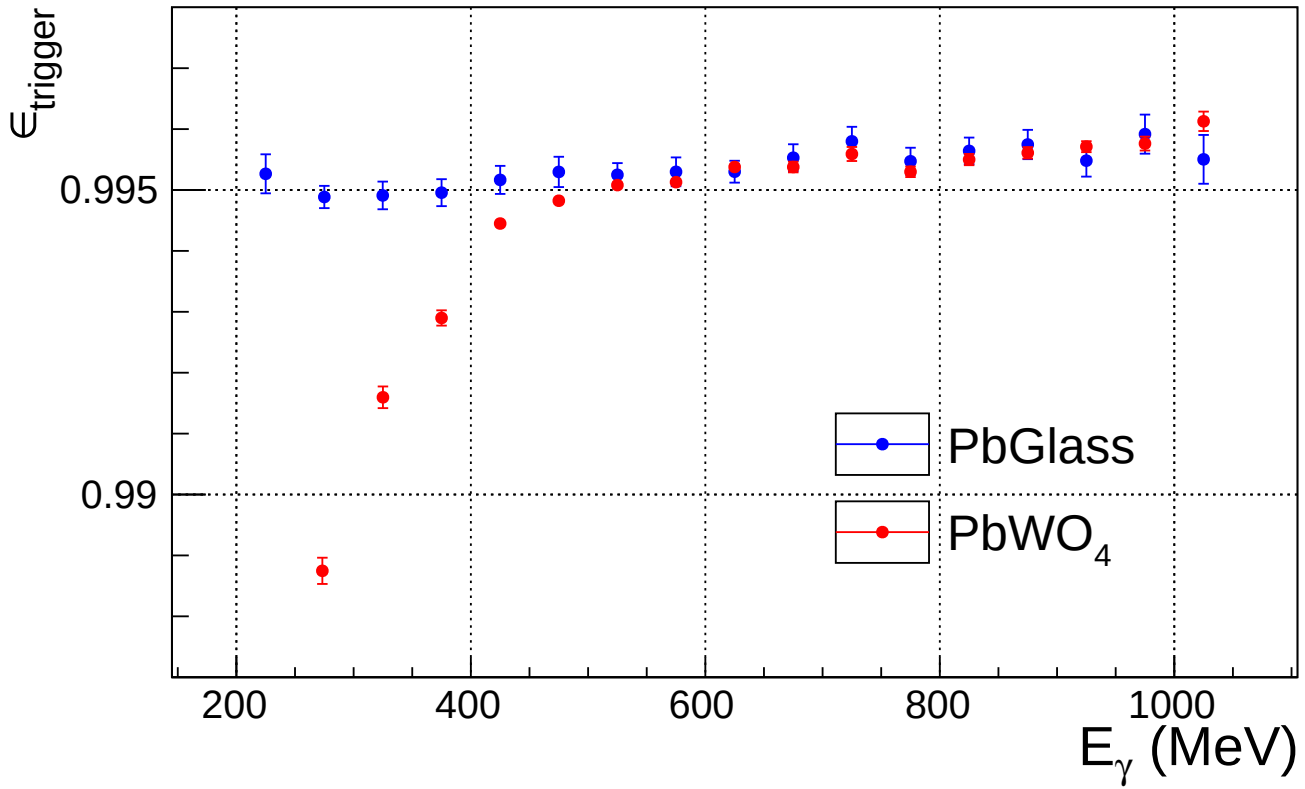
- Rising shape after transition to integrated moller normalization for both energies

Some super preliminary G_E



Update Trigger Efficiency (new reconstruction code)

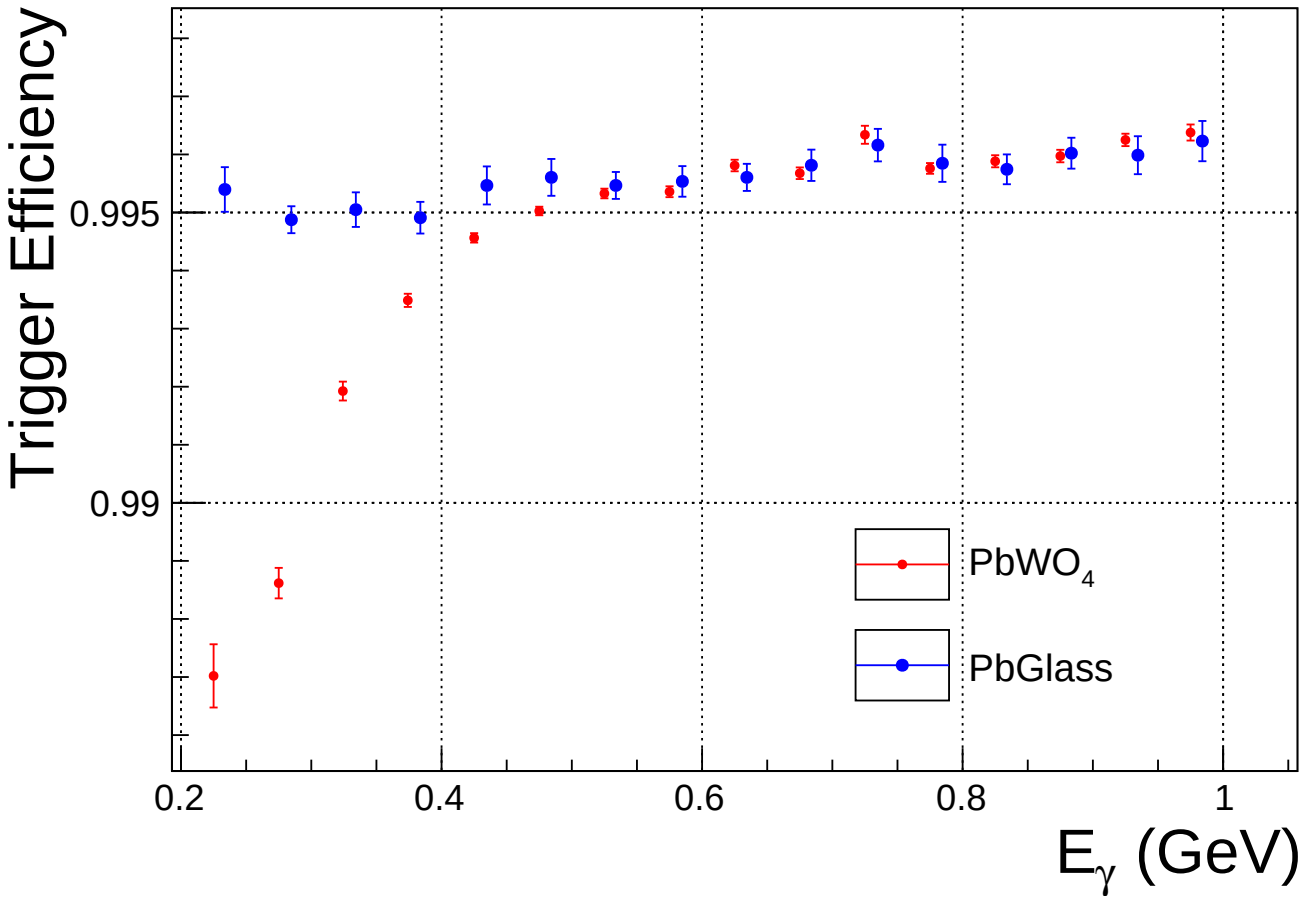
3σ cut on elasticity



- No big change from former trigger efficiency

Former Trigger Efficiency (primex code)

3σ cut on elasticity



Update Trigger Efficiency (new reconstruction code)

2σ cut on elasticity