

# Snake Calibration

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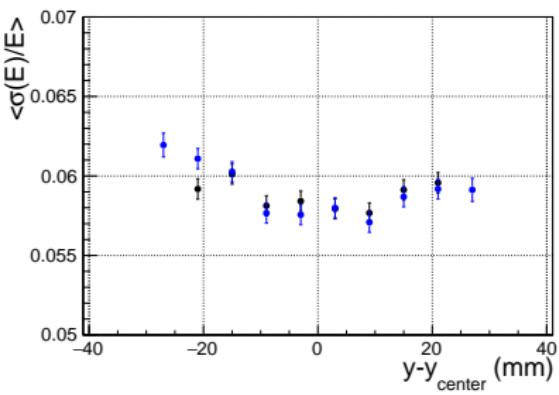
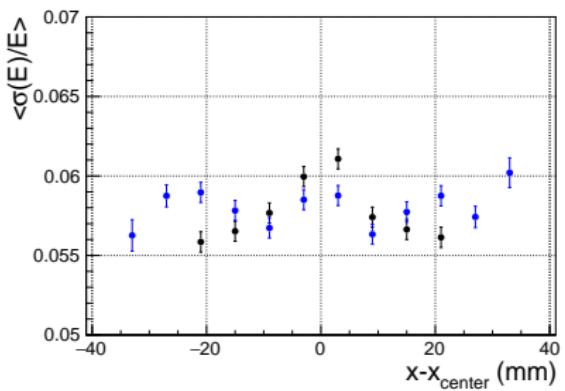
November 18, 2016



# Energy resolution vs. distance from cluster center

Proton  
Radius

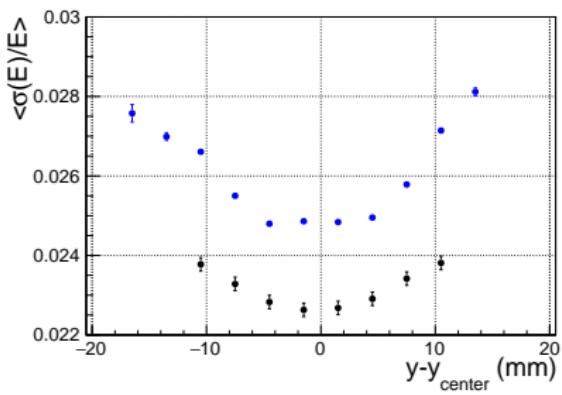
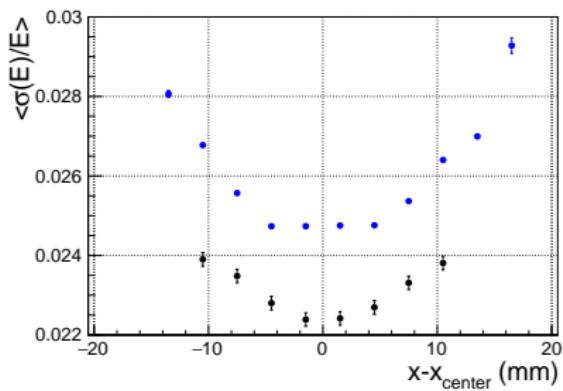
Lead Glass (black = cpp, blue = primex)



# Energy resolution vs. distance from cluster center

Proton  
Radius

PbWO<sub>4</sub> (black = cpp, blue = primex)

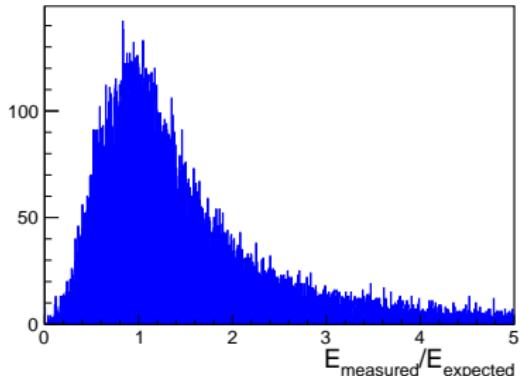
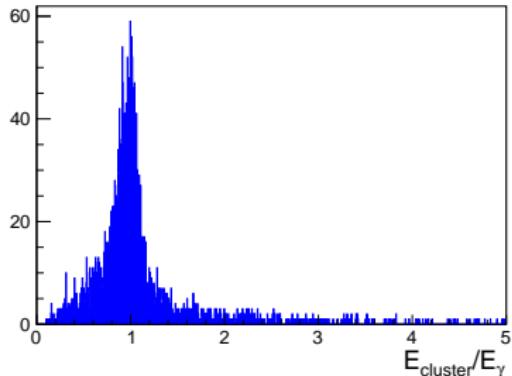


# Calibration of inner modules with tails

$$E(dx, dy) = E_{cl} * f(dx, dy) \quad (1)$$

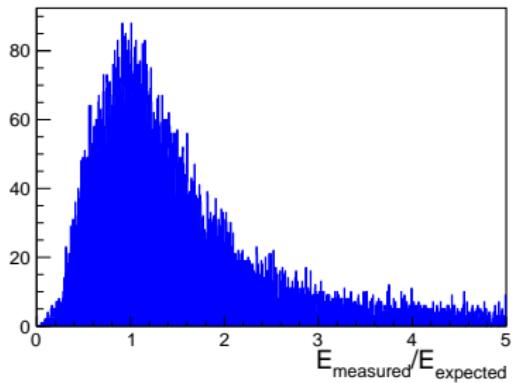
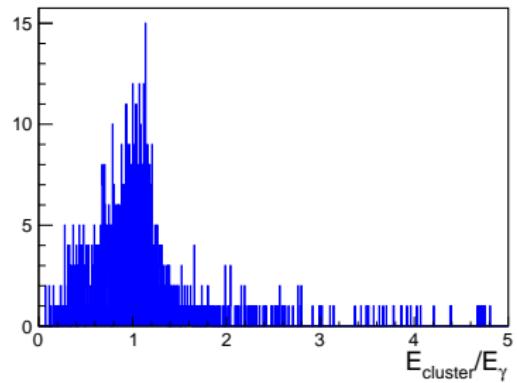
$$\frac{E_{measured}}{E_{expected}} = \frac{E_{module}}{f(x_{cl} - x_{module}, y_{cl} - y_{module}) * E_\gamma} \quad (2)$$

# Good Example



- ▶ Try to relate these to distribution
- ▶ Follow the evolution with the change of the gain

# Target Example



- ▶ Apply the relation found to these kind of modules