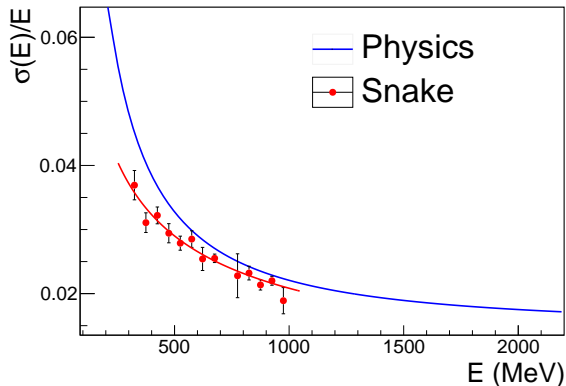


## Snake/Physics Resolution Comparison

Maxime Levillain

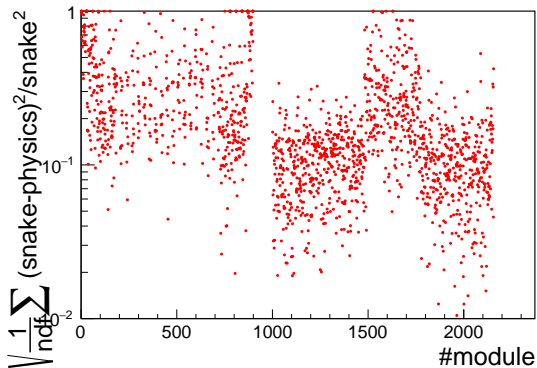
August 4, 2017



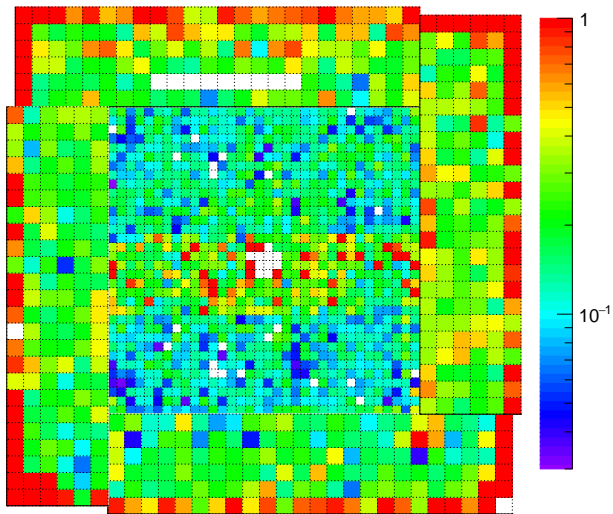


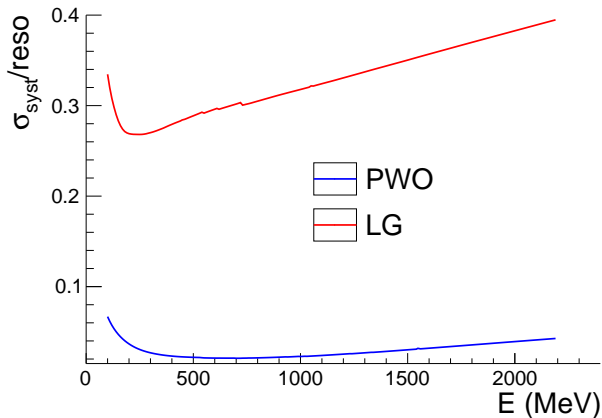
$$\alpha = \frac{1}{190} \sum_{i=30}^{219} \frac{(\text{snake}(i \cdot 10\text{MeV}) - \text{physics}(i \cdot 10\text{MeV}))^2}{\text{snake}(i \cdot 10\text{MeV})^2}$$

- ▶ Fit statistical uncertainties to low to use



- ▶  $\sim 30\%$  for LG and  $\sim 10\%$  for PWO





- ▶ Resolution differences explainable and in control
- ▶ Reprocessing yields and cross-section with improved calibration (data and simulation)
- Working on 1GeV and 2GeV ep/ee stability