Progress Report

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Issues

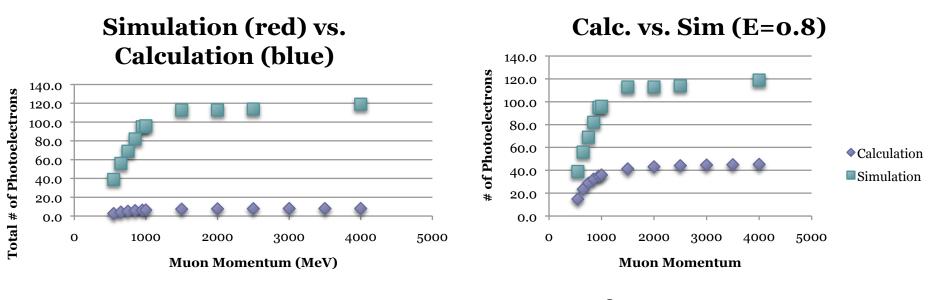
- # of calculated photoelectrons still lower than simulation and previous JLab results
 3 P.E. for 5cm of aerogel; 5 P.E. for 8cm aerogel
- Still investigating possible causes of signal below pedestal

Solutions/Successes

- Recalculated SEP Δ and attenuation for new dark-box setup
 - Currently running 8cm in dark-box
- "Track" possible moving pedestal using LED trigger
- Submitted abstract, etc. for APS DNP CEU

Photoelectron Predictions

- Gina made calculations to predict the # of photoelectrons for 5, 8 and 10 cm of aerogel
- 2 possible outcomes (based on ε):



 $\epsilon = 0.14$

 $\epsilon = 0.8$