#### FCAL energy calibration QC

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for the GlueX Collaboration

primex-eta-phase2-method0

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#### Overall QC vs iteration



## QC vs run number



## QC vs run number



vspace5cm

Di-photon invariant mass vs. photon momentum when  $0.7 \le p_{\gamma}^1/p_{\gamma}^2 \le 1.3$ 



#### vspace5cm

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Di-photon invariant mass vs. photon momentum when  $0.7 \le p_\gamma^1/p_\gamma^2 \le 1.3$ 



vspace5cm

Di-photon invariant mass vs. photon momentum when  $0.7 \le p_{\gamma}^1/p_{\gamma}^2 \le 1.3$ 



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Di-photon invariant mass vs. photon momentum when no selection critiria for  $\eta$ 



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## Overall QC, fit quality



If radius divided by 5 cm, there is 24 rings



If radius divided by 5 cm, there is 24 rings



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