FCAL energy calibration QC

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for the GlueX Collaboration

ed-period-4



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Overall QC vs iteration



QC vs run number



vspace5cm

QC vs run number



vspace5cm

Energy dependence correction

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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FCAL energy calibration QC

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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

Energy dependence correction

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



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Overall QC, fit quality



If radius divided by 5 cm, there is 24 rings



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