

Abstract Submitted
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Gas Electron Multiplier Tracking Telescopes for OLYMPUS
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COLLABORATION — The OLYMPUS collaboration is conducting an experiment
to measure two-photon contributions to elastic electron scattering. The experiment
is taking place at the DORIS storage ring at DESY, Hamburg, Germany using the
upgraded BLAST detector from the MIT-Bates Linear Accelerator Center. Gas
Electron Multiplier (GEM) telescopes are used to detect scattered leptons at a for-
ward angle to monitor the luminosity. The GEM detectors have been commissioned
at the test facility at DESY and were installed along with the main detector in the
DORIS storage ring. With the testbeam the performance characteristics such as
gain, efficiency, multiplicity, and resolution of the GEMs were studied.

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