

Abstract Submitted  
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**The BoNuS GEM-Based Radial Time-Projection Chamber<sup>1</sup>**

HOWARD FENKER, Jefferson Lab, BONUS COLLABORATION — A special-purpose detector for measuring low-momentum spectator protons from e-d collisions has been developed. It is a radial time-projection chamber in which the gas-amplification elements are GEM foils formed into cylinders. This is believed to be the first application of curved GEMs. In a 4T magnetic field, this low-mass detector allows tracking of spectator protons with momentum as low as 70 MeV/c while covering a large solid angle. Physics data were taken using the system in late 2005. We report on the development of the detector, experience with operating it, and the data coming out of it.

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