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Momentum Corrections for the E5 Data Set ROBERT BURRELL, University of Richmond, CLAS DETECTOR COLLABORATION — The Thomas Jefferson National Accelerator Facility located in Newport News, Virginia, is home to the CLAS (CEBAF Large Acceptance Spectrometer) detector, which measures scattered particles from high-energy collisions of an electron beam and a nuclear target. Initial measurement of the momentum of charged particles is done by reconstructing tracks using different detecting elements and a toroidal magnetic field. To improve these momentum measurements, we apply corrections. The quantity qB/p (q is charge, B is proportional to the magnetic field, and p is momentum) is extracted from elastic ep scattering using tracking and also from the well-measured electron and proton scattering angles. The difference between the two quantities is parameterized to determine the correction factors. We previously applied this technique to the 2.56 GeV normal torus polarity data set of the E5 run period and now will be presenting the results from the other E5 data sets.

Gerard Gilfoyle
University of Richmond

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