

Abstract Submitted
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Precision Measurements of the Proton Electromagnetic Form Factors at Low Transferred Momenta SHALEV GILAD, Massachusetts Institute of Technology, E08-007 COLLABORATION, JLAB HALL A COLLABORATION — We shall present recent precision measurements of the proton electromagnetic form factors from Hall A of the Jefferson Laboratory. The measurement, done at transferred momenta between 0.3 and 0.8 (GeV/c)² yielded results with absolute uncertainties of about 1 percent. These new results will be compared to previous measurements and to theoretical model predictions. The implications to theoretical models of nucleon structure, as well as to other fundamental quantities such as the Zemach radius will be discussed.

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