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Virtual Compton Scattering at $Q^2=0.05$ (GeV/c)² YOSHIYUKI SATO, Tohoku University, PAUL BOURGEOIS, University of Massachusetts, OOPS COLLABORATION — The generalized polarizabilities of the proton describe the response of the proton to a quasistatic electric or magnetic field, and provide a test of our understanding of low-energy QCD. We have measured the virtual Compton scattering (VCS) cross section at $Q^2=0.05$ (GeV)² at MIT-Bates. Outgoing protons were detected using the multiple out-of-plane spectrometer system (OOPS), which allows to suppress the normally dominant Bethe-Heitler radiation. In this talk, the experiment is described in more detail. The cross section and the polarizabilities are presented and discussed.

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