

Abstract Submitted
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Polarizability Measurements at MAMI DAVID HORNIDGE, Mount Allison University, A2 COLLABORATION AT MAMI COLLABORATION — A central problem of modern physics research is the solution to QCD in the non-perturbative regime. One method of testing QCD in this low-energy region is by measuring certain structure constants of hadrons—called polarizabilities—that show particular promise of allowing a direct connection to the underlying quark/gluon dynamics through comparison to modern QCD-inspired model calculations, and to solutions of QCD done computationally on the lattice. This talk will give an overview of recent and upcoming measurements at the Mainz Microtron to obtain the polarizabilities of both the proton and neutron.

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