

Recent and Future Measurements of Nucleon Polarizabilities at MAMI

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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 report on recent measurements and possible future results on the nucleon polarizabilities from the Institute for Nuclear Physics in Mainz, Germany.

Parallel Session

Low-Energy Nucleon Structure

Primary author: HORNIDGE, David (Mount Allison University)

Presenter: HORNIDGE, David (Mount Allison University)

Session Classification: Low Energy Nucleon Structure