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Recent results on Proton Charge Radius and Polarizabilities

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Nucleons (protons and neutrons) are the building blocks of atomic nuclei and are responsible for more than 99% of the visible matter in the universe. Despite decades of efforts in studying the structure of the proton, the proton remains fascinating and even puzzling. Low-energy experiments play an important role in elucidating the structure of the nucleon and advance our understanding of the theory of strong interaction, quantum chromodynamics (QCD) in the non-perturbative region. In this talk I will discuss some recent results from electron scattering and Compton scattering experiments on the proton charge radius and nucleon polarizabilities. This work is supported in part by the U.S. Department of Energy under Contracts No. DE-FG02-03ER41231.”

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