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Radii of protons and a way to resolve the proton size puzzle

XIAO-FAN CHEN, Harbin Institute of Technology — How to determine radii of protons is a hot topic in recent particle physics. From the research, one can gain information about proton structure and quark-quark interaction, and test quantum chromodynamics and quantum electrodynamics. In this paper, we study radii of protons in terms of wave functions and the way to resolve the proton size puzzle.

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