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## Review of present experimental and theoretical status of the proton radius puzzle

*Tuesday, August 30, 2016 9:30 AM (30 minutes)*

The discrepancy between the measured Lamb shift in muonic hydrogen and expectations from electron-proton scattering and hydrogen spectroscopy has become known as the proton radius puzzle, whose most “mundane” resolution requires a  $\sim 5\sigma$  shift in the value of the Rydberg constant. I review the status of spectroscopic and scattering measurements, recent theoretical developments, and implications for fundamental physics.

### Summary

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