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## From muonic hydrogen to muonic helium

*Wednesday, 13 October 2010 10:50 (30 minutes)*

The present discrepancy concerning the proton radius values extracted from hydrogen spectroscopy, scattering experiments and muonic hydrogen is discussed. Recent arguments about proton shape and new scattering data are presented. In addition we will conclude proposing a new experiment which could help to understand the discrepancy: the Lamb shift in muonic helium.

**Presenter:** ANTOGNINI, Aldo

**Session Classification:** Session We - 2