

Abstract Submitted
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Proton structure in muonic hydrogen Lamb shift VLADIMIR PAS-CALUTSA, MARC VANDERHAEGHEN, University of Mainz — Calculations of proton structure effects in muonic hydrogen Lamb shift, based on dispersion theory [1,2] and chiral perturbation theory [3,4], will be presented within the context of the “proton charge radius puzzle.”

- [1] C.E. Carlson & M. Vanderhaeghen: Phys.Rev. A84 (2011) 020102
- [2] C.E. Carlson, M. Gorchtein & M. Vanderhaeghen: Phys.Rev. A89 (2014) 022504
- [3] J.M. Alarcon, V. Lensky & V. Pascalutsa: Eur.Phys.J. C74 (2014) 2852
- [4] V. Lensky, J.M. Alarcon & V. Pascalutsa: arXiv:1407.2574

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