

Recent improvements in the theory of heavy muonic atoms and their influence on nuclear radii

Monday 27 January 2025 15:00 (45 minutes)

For decades, muonic atom spectroscopy has provided absolute values of nuclear RMS radii. The recent restart of muonic atom measurements also led to refinements in theoretical predictions. In my presentation, I will show the latest results for heavy muonic atoms, comparing them with previous results and focusing on individual and overall uncertainties. Finally, I will discuss how recent theoretical advances may influence the established values RMS radii.

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