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The four-loop slope of the Dirac form factor

Friday 13 September 2019 12:30 (25 minutes)

I this talk I will show the result of the 1100-digits calculation of the 4-loop QED contribution to the first derivative of the Dirac form factor at zero momentum transfer. An analytical fit has been obtained, and I will describe its structure. I will discuss also the contribution of this result to the Lamb shift of hydrogen.

Primary author: Dr LAPORTA, Stefano (University of Padova)

Presenter: Dr LAPORTA, Stefano (University of Padova)

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