

The four-loop slope of the Dirac form factor

Friday, September 13, 2019 12:30 PM (25 minutes)

In 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.

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