Contribution ID: 255

Type: talk

## Muon-electron scattering at NNLO for the MUonE experiment

Wednesday 14 July 2021 15:15 (15 minutes)

The recently proposed MUonE experiment at CERN aims at providing a novel determination of the leading order hadronic contribution to the muon anomalous magnetic moment through the study of elastic muonelectron scattering at relatively small momentum transfer. The anticipated accuracy of the order of 10ppm requires high-precision predictions, including all the relevant radiative corrections. To aid the effort, the theoretical formulation for the fixed order NNLO QED corrections are described with complete mass effects.

## Are you are a member of the APS Division of Particles and Fields?

Yes

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Session Classification: Higgs & Electroweak Physics

Track Classification: Higgs & Electroweak Physics