## Phenomenology 2019 Symposium



Contribution ID: 793

Type: parallel talk

## **BSM physics for Muon-Electron Scattering**

Monday 6 May 2019 17:00 (15 minutes)

Muon electron scattering experiments, like MUonE, offer an opportunity for an improved measurement of the LO hadronic running of  $\alpha$ , resulting in a reduced theoretical uncertainty of the leading hadronic effects on the anomalous magnetic moment of the muon. In this talk I present the possible impact of BSM physics on this measurement. In particular I will answer the question if a BSM explanation of the moun g - 2 could be indirectly fitted into the leading hadronic effects, causing inadvertent agreement with the SM.

## Summary

Authors: SCHUBERT, Ulrich (University at Buffalo); WILLIAMS, Ciaran (SUNY Buffalo)Presenter: SCHUBERT, Ulrich (University at Buffalo)Session Classification: BSM II