



Contribution ID: 92

Type: **Plenary Presentation**

Tau hadronic decay input for Muon $g-2$

Friday 8 December 2023 11:35 (25 minutes)

Hadronic tau decay experiments provide an alternative determination of the Hadronic Vacuum Polarization for Muon $g-2$. The difference in the hadronic cross section between tau-decay and electron-positron collision must be corrected. We review our strategies for such isospin-breaking correction using first-principle Lattice QED+QCD predictions.

Name of collaboration or list of co-authors

RBC / UKQCD Collaboration

Primary authors: MEYER, Aaron (University of California Berkeley); LEHNER, Christoph (University of Regensburg); BRUNO, Mattia (CERN); IZUBUCHI, Taku

Presenter: IZUBUCHI, Taku

Session Classification: Friday before lunch