



Contribution ID: 1437

Type: Poster

Status of anomalous triple gauge couplings in the light of recent results from muon ($g-2$) and other flavor observables.

Friday, 8 July 2022 20:15 (15 minutes)

We review the status of anomalous triple gauge couplings in the light of the recent $(g-2)_\mu$ measurement at FNAL, the new lattice theory result of $(g-2)_\mu$ and the updated measurements of several B -decay modes. In the framework of SMEFT, three bosonic dimension-6 operators are invoked to parametrize physics beyond the Standard Model and their contributions to such low-energy observables computed. Constraints on the corresponding Wilson coefficients are then derived from fits to the current experimental bounds on the observables and compared with the most stringent ones available from the 13 TeV LHC data in the W^+W^- and $W^\pm Z$ production channels.

In-person participation

Yes

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Session Classification: Poster Session

Track Classification: Beyond the Standard Model