



Contribution ID: 22

Type: **not specified**

The new “MUON G-2” Result and Supersymmetry

Friday 27 August 2021 16:00 (20 minutes)

We confront the Minimal Supersymmetric Standard Model (MSSM) with the recent measurement of $(g-2)_{\mu}$, the Dark Matter (DM) relic density, DM direct detection limits and electroweak SUSY searches at the LHC. We demonstrate that various distinct regions of the parameter space can fulfill all experimental constraints. We present predictions for future pp and e+e- colliders to explore these regions.

Authors: SAHA, Ipsita (Kavli IPMU); CHAKRABORTI, Manimala; HEINEMEYER, Sven (CSIC (Madrid, ES))

Presenters: SAHA, Ipsita (Kavli IPMU); CHAKRABORTI, Manimala; HEINEMEYER, Sven (CSIC (Madrid, ES))

Session Classification: Supersymmetry: Models, Phenomenology and Experimental Results

Track Classification: Supersymmetry: Models, Phenomenology and Experimental Results