



Contribution ID: 58

Type: Oral presentation using Zoom

$(g - 2)_\mu$ and M_W predictions in the MSSM

Wednesday, 27 October 2021 19:00 (24 minutes)

The confirmed $(g - 2)_\mu$ anomaly can perfectly be fitted in the Minimal Supersymmetric Standard Model (MSSM), taking into account all experimental constraints. This requires a relatively light electroweak sector of the MSSM, which in turn can give rise to positive contributions of the W boson mass, M_W . We analyze these predictions in view of the anticipated improved measurements of M_W at the ILC and their possible impact on the allowed parameter space.

1st preferred time slot for your oral presentation

19:00-21:00 JST (12:00-14:00 CEST, 6:00-8:00 EDT, 3:00-5:00 PDT)

2nd preferred time slot for your oral presentation

10:00-12:00 JST (3:00-5:00 CEST, 21:00-23:00 EDT, 18:00-20:00 PDT)

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Session Classification: I: Electroweak physics

Track Classification: Parallel sessions: Topical Groups: Session I: Electroweak physics