

# Muon $g-2$ and the B-physics anomalies in RPV Supersymmetry and the discovery prospect at LHC

*Tuesday 7 June 2022 17:30 (15 minutes)*

In R-parity violating supersymmetric scenarios, assuming the third-generation superpartners to be the lightest (calling the scenario RPV3), we show that there are some benchmark scenarios in which  $R_{D^{(*)}}$ ,  $R_{K^{(*)}}$  and  $(g-2)_\mu$  anomalies can be addressed and also can be detected at 14 TeV HL-LHC or future hadron colliders.

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