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Twin Anomaly in a minimal Extension of Inert 2HDM

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The W boson mass and the anomalous magnetic moment of muon are two most notable anomalies that provide a stringent test of the SM and should be explained by any proposed model beyond SM. We shall address these observed discrepancies in a minimal extension of the inert two Higgs doublet model(I2HDM). Using the model parameters constrained by various theoretical considerations and experimental observables, we shall show that a large parameter space of the model can accommodate both experimental observations simultaneously.

Track type

Collider and BSM Physics

Authors: Dr GOYAL, Ashok (University of Delhi); Dr BHARADWAJ, Hrishabh (Rajkiya Mahila Mahavidyalaya, Budaun); Prof. DAHIYA, Mamta (S.G.T.B. Khalsa College, University of Delhi); Prof. DUTTA, Sukanta (S.G.T.B. Khalsa College, University of Delhi)

Presenter: Prof. DAHIYA, Mamta (S.G.T.B. Khalsa College, University of Delhi)

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