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## Explaining muon $g - 2$ in a 2HDM+S model

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The disagreement between experimental and Standard Model prediction of muon anomalous magnetic moment at the level of  $3-4\sigma$  is well known. In a two Higgs doublet model with a singlet scalar (2HDM+S), we investigate the possible parameter space of all four types of this model to explain this discrepancy. Further we also analyse the sizeable effect of electric dipole moment within this model.

**Apply to be considered for a student &nbsp; award (Yes / No)?**

No

**Level for award (Hons, MSc,   PhD, N/A)?**

N/A

**Primary author:** Dr KUMAR, Mukesh (University of the Witwatersrand)

**Co-authors:** Prof. GOYAL, Ashok (University of Delhi); Prof. MELLADO, Bruce (University of the Witwatersrand); Ms SABATTA, Danielle (University of the Witwatersrand)

**Presenter:** Dr KUMAR, Mukesh (University of the Witwatersrand)

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