



Contribution ID: 259

Type: PhD forum talk + poster

## Semi-visible dark photons as a solution to $(g-2)_\mu$

*Wednesday 2 June 2021 15:42 (6 minutes)*

In light of the recent measurement of the anomalous muon magnetic moment which confirms a tension with the standard model, we revisit the light vector boson explanation of this discrepancy and show that there is still available parameter space in the context of models with co-annihilating dark matter or dark heavy neutral fermions. Reinterpreting the bounds from B factories with a semi-visible dark photon, we show that they may be an excellent place to look for hints of this new physics.

**arXiv number (if applicable)**

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**Session Classification:** PhD Forum