

## Twin Quark Dark Matter

*Wednesday 25 May 2022 15:50 (23 minutes)*

I will present an extension of the Twin Higgs scenario where the dark matter particle is a twin quark which becomes a (twin) color singlet after a spontaneous breaking of twin color. This model cogenerates matter/antimatter asymmetries in both the visible and twin sectors, thus addressing the naturalness, dark matter, and matter/antimatter puzzles. I will discuss constraints on the parameter space of the model as well as discovery prospects.

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