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## Status of Higgs Portal Dark Matter (I)

*Wednesday 13 June 2018 15:30 (30 minutes)*

Higgs portal dark matter models assume a coupling between dark matter and baryonic matter through Higgs exchange. These models are constrained in the low mass sector through limits on the branching ratio into invisible Higgs decays. Higgs portal models are also increasingly tested in the high-mass sector through direct search experiments. I review the current status of the Higgs portal models and introduce a new class of fermionic Higgs portal models.

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