

## Dark matter and black holes



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## BSM-enhanced PBH Dark Matter

*Tuesday 2 December 2025 16:10 (20 minutes)*

In this talk I will give an overview of several beyond Standard model theories predicting a large number of additional degrees of freedom. The corresponding softening in equations of state can be significant. I will show that, within these models, it is then possible to achieve a large enhancement in PBH abundance on scales relevant for PBHDM; namely, the asteroid mass and memory burden windows.

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**Session Classification:** Contributed talks