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Primordial black holes as dark matter candidates in braneworld cosmology

Wednesday, 28 June 2023 14:40 (20 minutes)

In this talk I will present my current research on primordial black holes in $(4+1)$ dimensional models. I will discuss how black hole properties - such as temperature, accretion rate and evaporation - change when one introduces an extra dimension. We are currently studying how these changes affect the range of masses in the dark matter window ($f_{\text{PBH}} \sim 1$) and other observational signatures.

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Session Classification: Selected Talks