

Prospecting for New Physics through Flavor, Dark Matter, and Machine Learning

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Particle physics models that predict dark matter in the form of primordial black holes

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Primordial black hole is a dark matter candidate in a variety of existing models of physics beyond the standard model, including supersymmetry models and models with asymmetric dark matter. I will review the formation of black holes in such scenarios, as well as the effects of predicted PBHs on astrophysics and cosmology.

Summary

Presenter: KUSENKO, Alexander (UCLA)

Session Classification: Cosmology