

The Primordial Black Holes Variations

Thursday 30 March 2023 08:00 (15 minutes)

In the age of gravitational wave astronomy and direct black hole imaging, the possibility that some of the black holes in the universe have a primordial, rather than stellar origin, and that they might be a non-negligible fraction of the cosmological dark matter, is quite intriguing. I will review the status of the field, and comment on search strategies and future prospects for detection across many decades in black hole mass. I will also discuss how light primordial black holes could seed both baryonic and particle dark matter in the very early universe.

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Session Classification: SESSION 5: Astrophysics and Cosmology-1 (CHAIR: Graciela Gelmini- UCLA)

Track Classification: Primordial Black Holes as dark matter