

JOINT TUFTS/MIT COSMOLOGY SEMINAR

Primordial Black Holes as Dark Matter

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Primordial black holes are black holes that may have formed in the early Universe. Their masses potentially span a range from as low as the Planck mass up to many orders of magnitude above the solar mass. This, in particular, includes black holes recently discovered by LIGO/Virgo, and these may conceivably be primordial in origin. Furthermore, there are now numerous strong hints for compact bodies consistently explaining many astrophysical phenomena as well as dark matter. After a general introduction on the topic, I will talk about those, a possible unified connection, and future detection possibilities.

Tuesday, February 27, 2024, 2:30 pm
Cosman Seminar Room
Center for Theoretical Physics
Building 6C, Room 6C-442
Massachusetts Institute of Technology