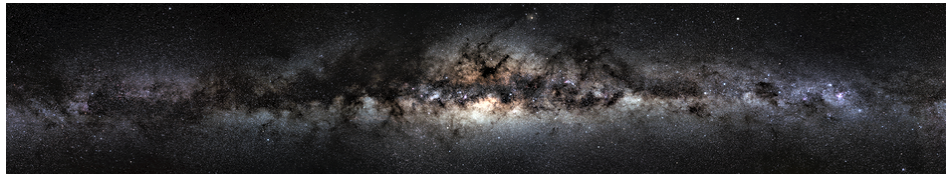


Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves



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Dark Matter, Black Holes and Phase Transitions

Thursday, 9 December 2021 12:14 (18 minutes)

We describe a new production mechanism of particle dark matter, which hinges on momentum filtering during a first-order cosmological phase transition. We then show that this mechanism can be modified to provide a new production mechanism of primordial black holes, which have not yet been observed but could solve a number of problems in cosmology.

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