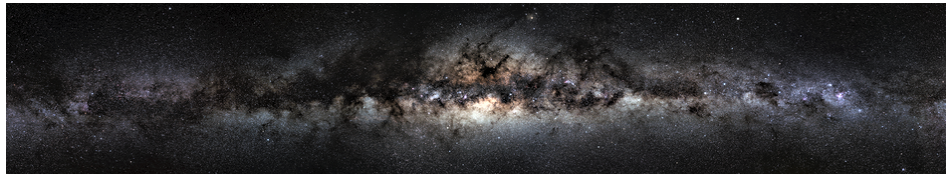


Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves



Contribution ID: 11

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Dark Matter: What's Beyond the WIMP Lamppost?

Thursday, 9 December 2021 07:40 (40 minutes)

Despite intensive searches, dark matter has not yet been discovered as a particle. Why not? Arguably, most searches are like looking for lost keys only under the lamppost, because that's where we can see. I will assess how thoroughly we have really searched under the WIMP lamppost, point out opportunities for progress, and discuss the ultimate limitations of such searches. Then I will discuss what's beyond this lamppost, where we have searched much less thoroughly, and where new ideas — exploiting cosmic rays, neutron stars, and more — are catalyzing progress.

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