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Detecting Dark Matter in Celestial Bodies

Monday 28 June 2021 15:30 (50 minutes)

Stars and planets can be ideal playgrounds to discover dark matter. In this talk, I will review a range of dark matter searches using celestial objects, including neutron stars, exoplanets, solar-system planets, and our Sun. I will discuss different search strategies, their opportunities and limitations, and the interplay of regimes where different celestial objects are optimal detectors.

Presenter: LEANE, Rebecca

Session Classification: Dark Universe / Astro-particles