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Dark matter inferred from stellar kinematics in the smallest galaxies

Tuesday 4 August 2015 16:15 (15 minutes)

Images from the Dark Energy Survey have recently revealed a new population of dwarf-galactic satellites of the Milky Way. Based on their proximity, sizes and low luminosities, several of the new objects are attractive targets in searches for products of dark matter annihilation. I will summarize current astrophysical results for the nearest of the new dwarf galaxies, Reticulum II, and will discuss prospects for estimating the dark matter content of the new objects based on stellar spectroscopy.

Oral or Poster Presentation

Oral

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