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Plenary talk: "Constraining Dark Matter Self-interactions with Galaxy Clusters"

Friday 27 August 2021 15:00 (45 minutes)

- Chair: Nassim Bozorgnia
- Co-Chair: Sean Tulin

As the objects with the largest dark matter densities and velocity dispersions, galaxy clusters are an ideal laboratory in which to search for evidence of dark matter self-interactions. I will discuss how self-interacting dark matter (SIDM) is implemented within cosmological simulations, and then how comparing these simulations with observations we can place constraints on the nature of dark matter.

Presenter: ROBERTSON, Andrew