



PHYSICS AND ASTRONOMY SEMINAR

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Dark Matter and Its Interactions

In this talk, I will give an overview on dark matter distributions in galactic systems and show that they are more diverse than predicted in the standard cold dark matter theory. Then I will show that self-interacting dark matter may provide a unified explanation to the observed diversity over a wide range of galactic mass scales. I will further discuss other astrophysical implications of self-interacting dark matter, such as the origin of supermassive black holes in the early Universe.

Tuesday, March 16, 2021

1:00 p.m.

Zoom link:

<https://uvc.zoom.us/j/88976589165?pwd=NFlzSzJWdUlwZEFRNzI0a2dHOEoxZz09>