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## Self-Interacting Dark Matter

*Friday 1 September 2023 11:20 (30 minutes)*

I will discuss recent progress on self-interacting dark matter and its implications within the context of the latest observations of galactic systems, as well as high-resolution N-body simulations of cosmic structure formation. I will highlight the novel signatures of gravothermal collapse in dark matter halos, which represent a unique prediction if dark matter possesses strong self-interactions.

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