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Giant Monopole Dark Matter

Friday 26 October 2018 17:00 (30 minutes)

Halo sized magnetic monopoles are automatically cored, have universal profiles and have a minimum mass given by Dirac quantization which can resolve the missing satellites problem. In addition they can possess spikes which can seed supermassive black hole growth. The Kibble mechanism lets them form just in time for structure formation. The main challenge is the screening of the intermonopole repulsion.

Presenter: EVSLIN, Jarah (I)

Session Classification: Afternoon session