



Contribution ID: 269

Type: **Oral**

Thermal Dark Matter Below an MeV

Wednesday, 9 August 2017 16:30 (15 minutes)

In this talk, I will discuss a class of models in which thermal dark matter is lighter than an MeV. If dark matter thermalizes with the Standard Model below the temperature of neutrino-photon decoupling, constraints from measurements of the effective number of neutrino species are alleviated. This framework motivates new experiments in the direct search for sub-MeV thermal dark matter and light force carriers.

Primary author: BERLIN, Asher (University of Chicago)

Presenter: BERLIN, Asher (University of Chicago)

Session Classification: Dark matter

Track Classification: Dark matter (direct detection, indirect detection, theory, etc.)