

## Cosmological Probes of Dark Matter Interactions

*Wednesday, 30 May 2018 15:00 (20 minutes)*

Abundance of cosmological data will enable sensitive probes of dark matter physics in the coming decade. I will focus on scattering of sub-GeV dark matter with baryons in the pre-recombination Universe, summarize the status of cosmological searches, present forecasts for the next-stage CMB experiments, and discuss distinguishability of various signatures of new physics sought by CMB surveys.

### **E-mail**

verag@ias.edu

**Primary author:** Dr GLUSCEVIC, Vera (Institute for Advanced Study)

**Presenter:** Dr GLUSCEVIC, Vera (Institute for Advanced Study)

**Session Classification:** Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity

**Track Classification:** CPDE