

## **Dark Matter (mass) at the extremes: reigning in the mass range of range of dark matter**

*Tuesday 8 July 2025 09:00 (30 minutes)*

The range of possible masses of particle dark matter spans over many orders of magnitude. The extremes of the mass range – so-called “superheavy” and “ultralight” dark matter candidates – are increasingly attracting attention due to their novel phenomenology and new developments in production mechanisms. In this talk I will discuss the complementary nature of superheavy and ultralight dark matter, illustrated with examples from a QCD-like dark sector and from the string theory axiverse.

**Author:** MCDONOUGH, Evan

**Presenter:** MCDONOUGH, Evan

**Session Classification:** Plenary