

# Coherent elastic neutrino-nucleus scattering in the Standard Model and beyond

*Friday 1 July 2022 11:30 (30 minutes)*

In this talk, I will present the physics potential of the coherent elastic neutrino-nucleus scattering (CEvNS) process. I will first briefly review the status of current observations. Then I will comment about their implications for both precision tests of the Standard Model and for new physics in the neutrino sector. Finally I will discuss the relevance of these measurements for direct dark matter detection probes.

**Author:** DE ROMERI, Valentina

**Presenter:** DE ROMERI, Valentina

**Session Classification:** Morning Session