



Contribution ID: 247

Type: **Parallel Contributed Talk**

Euclid and the challenge of neutrino mass detection

Monday, February 22, 2021 6:10 PM (20 minutes)

The ESA Euclid mission will map the cosmic web with unprecedented precision. Among the main scientific objectives of Euclid one stands out for its interdisciplinary impact: the measurement of the sum of neutrino masses.

In this talk I will highlight the challenges that cosmology will have to face in order to exploit the accuracy of Euclid data, and achieve this groundbreaking result. I will also show the potential consequences of such measurement on the neutrino mass ordering.

Collaboration name

Euclid

Primary author: ARCHIDIACONO, Maria (University of Milan)

Presenter: ARCHIDIACONO, Maria (University of Milan)

Session Classification: Non Standard Interactions and Cosmology

Track Classification: Neutrino Theory and Cosmology