



INTERNATIONAL SCHOOL on ASTROPARTICLE PHYSICS



Società Italiana di Fisica

Neutrino physics, astrophysics and cosmology

June 27 - July 6 2023

Villa Monastero - Varenna, Italy

International School of Physics "Enrico Fermi" in
collaboration with the summer schools ISAPP

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Scientific Secretariat:

Lino Miramonti (UNIMI and INFN)

TOPICS

Preschool:

Basics on particle physics, Cosmology, Stellar evolution.

School:

NEUTRINO PHYSICS

Neutrino and its properties; Neutrinoless double beta decay; Neutrino oscillation; Neutrino mass determination; Neutrino nucleus interactions; Geoneutrinos.

NEUTRINO ASTROPHYSICS

Solar, stellar and Supernova neutrinos; Neutrinos from the violent universe; High energy cosmic neutrinos.

NEUTRINO COSMOLOGY

The role of the neutrinos in the LCDM; Large Scale Structures and Neutrinos; Cosmic Microwave Background and neutrinos; Neutrinos and the very early universe.

<https://isapp2023.mi.infn.it/>

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