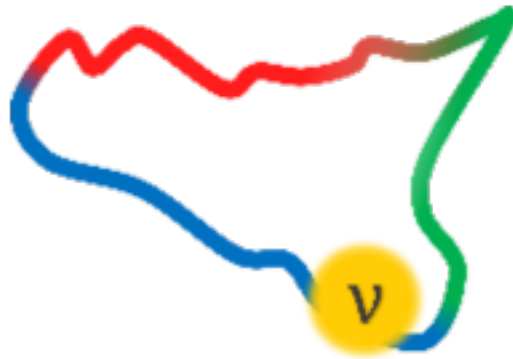


# **SCHOOL: Multi-Aspect Young-Oriented Advanced Neutrino Academy (MAYORANA) - International School**



**Tuesday, July 4, 2023 - Tuesday, July 11, 2023**

**Modica**

## **Scientific Program**

Double beta decay

Nuclear structure in connection with neutrino physics

Neutrino nucleus interactions at low and high energy

Nuclear reactions for weak interactions

Supernova models and detection of supernovae neutrinos

Solar models

Direct and indirect dark matter searches

Rare beta decay of nuclei for neutrino mass measurement

Neutrino oscillation and matter effect

Anomalies in reactor neutrinos

Ultra high energy astroparticle neutrinos and the multi-messenger scenario

New related detection technologies

Artificial intelligence for DAQ and data analysis