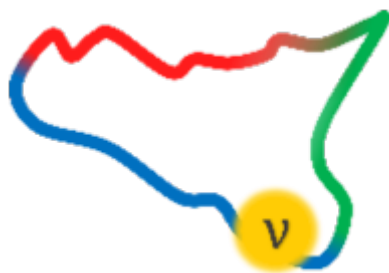


Session Program

Jul 12 - 14, 2023



WORKSHOP: Multi-Aspect Young-ORiented Advanced Neutrino Academy (MAYORANA) - International Workshop

Oral contributions

Modica , Palazzo Grimaldi
Corso Umberto I, 106, 97015 Modica RG

Wed, July 12

9:10 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Alexei Smirnov

9:10 - 10:00 AM

Recent Results in the Theory of Lepton Number Violating Processes

Speakers

Francesco Iachello, Jenni Kotila

10:00 - 10:30 AM

Nuclear muon capture: A perfect probe of the neutrinoless double beta decay

Speaker

Jouni Suhonen

10:30 - 10:50 AM

A global approach in the $^{180}\text{W} + ^{48}\text{Ti}$ reaction within the NUMEN project

Speaker

Dr Onoufriou Sgouros

10:50 AM

11:30 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Horst Lenske

11:30 AM - 12:00 PM

The Search for Dark Matter with XENON

Speaker

Elena Aprile

12:00 - 12:30 PM

Searching for Neutrinoless Double-Beta Decay with KamLAND-Zen and LEGEND

Speaker

Jason Detwiler

12:30 - 12:50 PM

Calculation of the nuclear matrix elements and phase space factors for the double-beta decay of ^{104}Ru

Speaker

Elina Kauppinen

12:50 PM

3:00 PM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Francesco Vissani

3:00 - 3:30 PM

Nuclear response to weak interaction investigated by nuclear reactions

Speaker

Diana Carbone

3:30 - 4:00 PM

Nuclear Double Charge Exchange Reactions by Isotensor Interactions

	<p>Speaker Horst Lenske</p>
4:20 PM	<p>4:00 - 4:20 PM</p> <p>Final Results from the PROSPECT-I Data Set: Spectrum and Oscillation Analyses</p> <p>Speaker Diego Venegas Vargas</p>
4:50 PM	<p>Oral contributions</p> <p>Session Location: Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG Convener: Javier Menendez</p>
	<p>4:50 - 5:20 PM</p> <p>Gamow-Teller Transitions: Probing Nuclear Structure and Weak Interactions</p> <p>Speaker Nunzio Itaco</p>
	<p>5:20 - 5:40 PM</p> <p>Characterization of low-energy argon recoils with the ReD experiment</p> <p>Speaker Ms Noemi Pino</p>
6:00 PM	<p>5:40 - 6:00 PM</p> <p>Improving CP Measurement with THEIA and Muon Decay at Rest</p> <p>Speaker Chui-Fan Kong</p>

Thu, July 13

9:00 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Francesco Iachello

9:00 – 9:30 AM

Electron antineutrino scattering on protons: history, applications, and theoretical estimates

Speaker

Francesco Vissani

9:30 – 10:00 AM

Fundamental Physics with Nuclei

Speaker

saori pastore

10:00 – 10:20 AM

{it Ab initio} calculation of the ^6He β -decay spectrum for new physics searches

Speaker

Garrett King

10:20 – 10:40 AM

Study of the $20\text{Ne} + 130\text{Te}$ system in a multi-channel approach within the NUMEN project

Speaker

Dr Vasileios Soukeras

10:40 – 11:00 AM

One nucleon transfer

Speaker

Hugo Garcia Tecocoatzí

11:00 AM

11:30 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Prof. Manfred Lindner

11:30 AM – 12:00 PM

ICARUS at the Fermilab Short-Baseline Neutrino program

Speaker

Alberto Guglielmi

12:00 – 12:30 PM

RES-NOVA: detecting astrophysical neutrinos with cryogenic detectors

Speaker

Dr Luca Pattavina

12:30 – 1:00 PM

Experimental challenges in the detection of heavy ions at high rate within the NUMEN project

Speaker

Domenico Torresi

1:20 PM	<p>1:00 - 1:20 PM Selecting the proper substrate for targets in NUMEN Experiment</p> <p>Speaker Mauro Giovannini</p>
3:00 PM	<p>Oral contributions</p> <p>Session Location: Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG Convener: Gioacchino Ranucci</p>
	<p>3:00 - 3:30 PM Neutrino masses, oscillations and neutrinoless double-beta decay</p> <p>Speaker Fedor Simkovic</p>
	<p>3:30 - 4:00 PM New studies on neutrino oscillations</p> <p>Speaker Alexei Smirnov</p>
4:30 PM	<p>4:00 - 4:30 PM Status and perspectives of coherent neutrino scattering</p> <p>Speaker Prof. Manfred Lindner</p>
5:00 PM	<p>Oral contributions</p> <p>Session Location: Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG Convener: Paschal Coyle</p>
	<p>5:00 - 5:30 PM Status of the JUNO experiment and its physics perspectives</p> <p>Speaker Gioacchino Ranucci</p>
	<p>5:30 - 5:50 PM</p> <p>Symmetries of the IBFFM and transfer reactions between odd-odd and even-even nuclei by using IBFFM</p> <p>Speaker Elena Santopinto</p>
6:10 PM	<p>5:50 - 6:10 PM JUNO detector sensitivity to ^7Be, pep and CNO solar neutrinos</p> <p>Speaker Marco Beretta</p>

Fri, July 14

9:30 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Jouni Suhonen

9:30 - 10:00 AM

Neutrinoless double-beta decay matrix elements from systematic calculations guided by exp. data

Speaker

Javier Menendez

10:00 - 10:30 AM

Some experimental thoughts about the double-gamma decay process and its links with $2\nu\beta\beta$

Speaker

Jose' Javier Valiente Dobon

10:30 - 10:50 AM

Inferring astrophysical neutrino sources from the Glashow resonance

Speaker

Nele Volmer

10:50 - 11:10 AM

Latest Results from the CUORE Experiment

Speaker

Giovanni Benato

11:10 AM

11:30 AM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Fedor Simkovic

11:30 AM - 12:00 PM

Status of KM3NET

Speaker

Paschal Coyle

12:00 - 12:30 PM

Science and status of the DUNE experiment

Speaker

Laura Patrizii

12:30 - 1:00 PM

Search for ultra-high energy neutrinos in the Pierre Auger Observatory

Speaker

Dariusz Gora

1:00 PM

3:00 PM

Oral contributions

Session | **Location:** Modica , Palazzo Grimaldi, Corso Umberto I, 106, 97015 Modica RG | **Convener:** Laura Patrizii

3:00 - 3:30 PM

Revealing the Neutrino Sky: a decade of IceCube's observations

Speaker

Simona Toscano

3:30 - 4:00 PM

Supernovae as factories of neutrinos and other feebly interacting particles

Speaker

Pierluca Carenza

4:00 - 4:20 PM

Theoretical modelling of Heavy Ion Double Charge Exchange reactions and calculations for the NUMEN project

Speaker

Jessica Bellone

4:20 - 4:40 PM

Neutrinos @ INFN: a leap inside the Commissione Scientifica Nazionale 2

Speaker

Giorgio Riccobene

4:40 PM