

Neutrinos and Flavour: a stairway to New Physics



Report of Contributions

Contribution ID: 1

Type: **not specified**

Neutrino and Flavour BSM models: a review

Wednesday, 2 April 2025 09:30 (40 minutes)

Presenter: Prof. MELONI, Davide (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 2

Type: **not specified**

Hunting for dark sectors at neutrino and flavor experiments

Wednesday, 2 April 2025 10:10 (40 minutes)

Presenter: REDIGOLO, Diego (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 3

Type: **not specified**

Multiple probes of dark sectors dipole operators

Wednesday, 2 April 2025 11:20 (30 minutes)

Presenter: BARDUCCI, Daniele (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 4

Type: **not specified**

Dark sector searches at e^+e^- colliders

Wednesday, 2 April 2025 11:50 (30 minutes)

Presenter: CORONA, Luigi (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 5

Type: **not specified**

Heavy neutral leptons without prejudice

Wednesday, 2 April 2025 12:20 (30 minutes)

Presenter: Prof. LOSADA, Marta (NYU Abu Dhabi)

Contribution ID: 6

Type: **not specified**

Are neutrinos still showing us the way?

Wednesday, 2 April 2025 14:00 (40 minutes)

Presenter: VISSANI, Francesco (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 7

Type: **not specified**

The Yukawa sector in Grand Unified Theories

Wednesday, 2 April 2025 14:40 (30 minutes)

Presenter: SUSIČ, Vasja (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 8

Type: **not specified**

The Neutrino Mass Bound from Leptogenesis Revisited

Wednesday, 2 April 2025 15:10 (30 minutes)

Presenter: Dr WANG, Edward (TUM)

Contribution ID: 9

Type: **not specified**

Combination techniques for neutrino experimental results

Wednesday, 2 April 2025 16:10 (25 minutes)

Presenter: Dr SCOTT, Mark (Imperial College London)

Contribution ID: **10**

Type: **not specified**

Combination techniques for flavour experimental results

Wednesday, 2 April 2025 16:35 (25 minutes)

Presenter: SOFFER, Abner

Contribution ID: **11**

Type: **not specified**

Model testing with flavour results: CKM Fitter

Wednesday, 2 April 2025 17:00 (25 minutes)

Presenter: VALE SILVA, Luiz (IFIC, UV - CSIC)

Contribution ID: **12**

Type: **not specified**

Unveiling new physics with Supernova Neutrinos

Wednesday, 2 April 2025 17:25 (30 minutes)

Presenter: OSPINA ESCOBAR, Nataly (PD)

Contribution ID: **13**

Type: **not specified**

Search for proton decay

Wednesday, 2 April 2025 17:55 (30 minutes)

Presenter: CALABRIA, Nicola Fulvio (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 14

Type: **not specified**

Neutrino generators and cross sections

Thursday, 3 April 2025 09:00 (30 minutes)

Presenter: MEGIAS, Guillermo D. (University of Seville)

Contribution ID: 15

Type: **not specified**

Neutrino-nucleus cross section in hydrogen at SAND

Thursday, 3 April 2025 09:30 (15 minutes)

Presenter: INGRATTA, Gianfranco (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **16**

Type: **not specified**

The EVTGEN generator: status and perspectives

Thursday, 3 April 2025 09:45 (30 minutes)

Presenter: ABUDINÉN, Fernando (University of Warwick)

Contribution ID: 17

Type: **not specified**

Almost general analysis of CKM and PMNS matrices for hierarchical Yukawa structure and interpretation of Dirac CP phase probed by DUNE and T2HK

Thursday, 3 April 2025 10:45 (40 minutes)

Presenter: Prof. YANG, Masaki (KEK)

Contribution ID: **18**

Type: **not specified**

CP violation in B and D mesons

Thursday, 3 April 2025 11:25 (40 minutes)

Presenter: SILVESTRINI, Luca (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **19**

Type: **not specified**

Flavour anomalies, inclusive modes and refactorization

Thursday, 3 April 2025 12:05 (30 minutes)

Presenter: HURTH, Tobias Hurth (CERN)

Contribution ID: 20

Type: **not specified**

The strong CP problem

Thursday, 3 April 2025 12:35 (30 minutes)

Presenter: Dr SMITH, Christopher (LPSC Grenoble)

Contribution ID: **21**

Type: **not specified**

Workshop wrap-up

Thursday, 3 April 2025 13:05 (10 minutes)