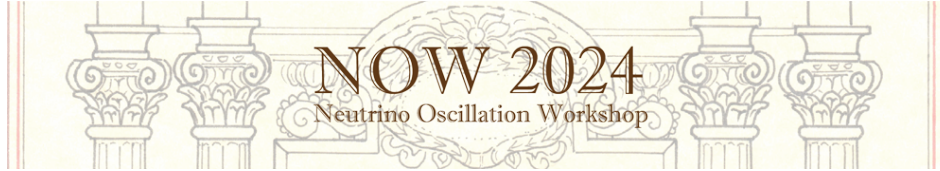


# NOW 2024



## Report of Contributions

Contribution ID: **114**

Type: **not specified**

## **T2K and T2K+SK results**

*Tuesday, 3 September 2024 09:00 (30 minutes)*

**Presenter:** BARROW, Daniel

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: 115

Type: **not specified**

## **NOvA and NOVA+T2K results**

*Tuesday, 3 September 2024 09:30 (30 minutes)*

**Presenter:** KOLUPAEVA, Liudmila

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: **116**

Type: **not specified**

## JUNO

*Tuesday, 3 September 2024 10:00 (30 minutes)*

**Presenter:** SERAFINI, Andrea (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: 117

Type: **not specified**

## Oscillation physics at DUNE LBL

*Tuesday, 3 September 2024 11:00 (30 minutes)*

**Presenter:** DI CAPUA, Francesco (Università Federico II di Napoli)

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: **118**

Type: **not specified**

## **Oscillation physics at HK**

*Tuesday, 3 September 2024 11:30 (30 minutes)*

**Presenter:** WILSON, Jeanne (Kings College London)

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: **119**

Type: **not specified**

## **Lepton flavor physics: Theoretical aspects**

*Wednesday, 4 September 2024 09:00 (30 minutes)*

**Presenter:** XING, Zhi-Zhong (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Session II (plenary): Beyond the standard framework

Contribution ID: 120

Type: **not specified**

## Testing nonstandard neutrino properties

*Wednesday, 4 September 2024 09:30 (30 minutes)*

**Presenter:** SEN, Manibrata (Max-Planck-Institut für Kernphysik)

**Session Classification:** Session II (plenary): Beyond the standard framework



Contribution ID: 121

Type: **not specified**

# Heavy neutral lepton phenomenology

*Wednesday, 4 September 2024 10:00 (30 minutes)*

**Presenter:** FERNANDEZ MARTINEZ, Enrique (CERN)

**Session Classification:** Session II (plenary): Beyond the standard framework

Contribution ID: 122

Type: **not specified**

## Searching sterile neutrinos with ICARUS at FNAL

*Wednesday, 4 September 2024 11:00 (30 minutes)*

**Presenter:** FARNESE, Christian (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session II (plenary): Beyond the standard framework

Contribution ID: 123

Type: **not specified**

## **MicroBooNE and (non)standard neutrino physics**

*Wednesday, 4 September 2024 11:30 (30 minutes)*

**Presenter:** ROSS-LONERGAN, Mark (Columbia University)

**Session Classification:** Session II (plenary): Beyond the standard framework

Contribution ID: 124

Type: **not specified**

## Neutrinos: Opening new doors

*Thursday, 5 September 2024 09:00 (30 minutes)*

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

**Session Classification:** Extra Session (plenary): Crossing the portal

Contribution ID: 125

Type: **not specified**

## **What shall we learn from a future core-collapse SN?**

*Thursday, 5 September 2024 09:30 (30 minutes)*

**Presenter:** VOLPE, Cristina (APC)

**Session Classification:** Extra Session (plenary): Crossing the portal

Contribution ID: 126

Type: **not specified**

## **Ultra-low-background physics: lessons from BOREXINO and future steps**

*Thursday, 5 September 2024 10:00 (30 minutes)*

**Presenter:** ZAVATARELLI, Sandra (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Extra Session (plenary): Crossing the portal

Contribution ID: 127

Type: **not specified**

## Neutrino physics at CERN

*Thursday, 5 September 2024 11:00 (30 minutes)*

**Presenter:** DE LELLIS, Giovanni (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Extra Session (plenary): Crossing the portal

Contribution ID: 128

Type: **not specified**

## **Gravitational Waves: Towards the Einstein Telescope**

*Thursday, 5 September 2024 11:30 (30 minutes)*

**Presenter:** GHOSH, Archisman (Ghent University)

**Session Classification:** Extra Session (plenary): Crossing the portal



Contribution ID: **129**

Type: **not specified**

## **Beta decay and neutrino mass: KATRIN and beyond**

**Presenter:** SCHLÖSSER, Magnus (KIT)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 130

Type: **not specified**

## Neutrinoless double beta decay: Towards ton-scale experiments

**Presenter:** BELLINI, Fabio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 131

Type: **not specified**

## Theory of neutrinoless double beta decay: Perspectives

**Presenter:** HOLT, Jason (TRIUMF)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 132

Type: **not specified**

## **COHERENT and the future of CEvNS**

**Presenter:** PERSHEY, Daniel (Florida State University)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 133

Type: **not specified**

## Understanding neutrino cross sections

**Presenter:** MESSERLY, Benjamin (University of Minnesota)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 134

Type: **not specified**

## Neutrino properties from cosmology

*Saturday, 7 September 2024 09:00 (30 minutes)*

**Presenter:** LATTANZI, Massimiliano (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 135

Type: **not specified**

## SK-Gd as an observatory of stars (Sun, SN)

*Saturday, 7 September 2024 09:30 (30 minutes)*

**Presenter:** BEAUCHÉNE, Antoine (Laboratoire Leprince-Ringuet (CNRS), École Polytechnique)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 136

Type: **not specified**

## IceCube results on high-energy neutrinos

*Saturday, 7 September 2024 10:00 (30 minutes)*

**Presenter:** HILL, Colton

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos



Contribution ID: 137

Type: **not specified**

## **KM3NeT: status and perspectives**

*Saturday, 7 September 2024 11:00 (30 minutes)*

**Presenter:** MIGLIOZZI, Pasquale (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 138

Type: **not specified**

## **Learning from gamma, cosmic rays and other messengers**

*Saturday, 7 September 2024 11:30 (30 minutes)*

**Presenter:** SPARVOLI, Roberta (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 139

Type: **not specified**

## Neutrino oscillations and entanglement

*Tuesday, 3 September 2024 16:00 (20 minutes)*

**Presenter:** SIMKOVIC, Fedor

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 140

Type: **not specified**

## Neutrino oscillations in the interaction picture

*Tuesday, 3 September 2024 16:20 (20 minutes)*

**Presenter:** BLASONE, Massimo (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 141

Type: **not specified**

## **Analytic and efficient ways to compute oscill. probabilities**

*Tuesday, 3 September 2024 16:40 (20 minutes)*

**Presenter:** DENTON, Peter (Brookhaven National Laboratory)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 142

Type: **not specified**

## **Global analysis of neutrino oscillations with GAMBIT**

*Tuesday, 3 September 2024 17:00 (20 minutes)*

**Presenter:** SHORROCK, Wilf (University of Sussex)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 143

Type: **not specified**

## **IceCube-DeepCore oscillation results**

*Tuesday, 3 September 2024 17:50 (20 minutes)*

**Presenter:** TERLIUK, Andrii (Technical University of Munich)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 144

Type: **not specified**

## **Undersea measurements of neutrino oscillations (KM3NeT)**

*Tuesday, 3 September 2024 18:10 (20 minutes)*

**Presenter:** CERISY, Luc (CPPM)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations



Contribution ID: 145

Type: **not specified**

## Neutrino oscillation measurements with reactor antineutrinos

*Tuesday, 3 September 2024 18:30 (20 minutes)*

**Presenter:** ZHAN, Liang (Institute of High Energy Physics)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 146

Type: **not specified**

## **Reactor and solar tension and measurements (SNO+)**

*Tuesday, 3 September 2024 18:50 (20 minutes)*

**Presenter:** ZUMMO, Anthony (Rutgers University)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 147

Type: **not specified**

## Galactic cosmic ray studies with DAMPE

*Tuesday, 3 September 2024 16:00 (20 minutes)*

**Presenter:** DE MITRI, Ivan (GSSI & INFN)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 148

Type: **not specified**

## The VHE nu (and gamma-ray) flux from the galactic plane

*Tuesday, 3 September 2024 16:20 (20 minutes)*

**Presenter:** VILLANTE, Francesco Lorenzo (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 149

Type: **not specified**

## Diffusion around pulsars through gamma-ray observations

*Tuesday, 3 September 2024 16:40 (20 minutes)*

**Presenter:** DI MAURO, Mattia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 150

Type: **not specified**

# Searches for UHE neutrinos at the Pierre Auger Observatory

*Tuesday, 3 September 2024 17:00 (20 minutes)*

**Presenter:** PETRUCCI, Camilla (University of L'Aquila and INFN-LNGS)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 151

Type: **not specified**

## Star-forming environments as sources of HE neutrinos

*Tuesday, 3 September 2024 17:50 (20 minutes)*

**Presenter:** AMBROSONE, Antonio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 152

Type: **not specified**

## Extreme energy cosmic rays and DM

*Tuesday, 3 September 2024 18:10 (20 minutes)*

**Presenter:** BEREZHIANI, Zurab (AQ)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos



Contribution ID: 153

Type: **not specified**

## Quantum assisted intensity interferometry

*Tuesday, 3 September 2024 18:30 (20 minutes)*

**Presenter:** DELLA VOLPE, Domenico (NA)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 154

Type: **not specified**

## **Euclid preparation: sensitivity to neutrino parameters**

*Tuesday, 3 September 2024 18:50 (20 minutes)*

**Presenter:** PAMUK, Sefa

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 155

Type: **not specified**

## **JUNO sensitivity to mass ordering and oscillation parameters**

*Wednesday, 4 September 2024 16:00 (20 minutes)*

**Presenter:** CERRONE, Vanessa (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 156

Type: **not specified**

## **T2K upgrades: near detector and beam**

*Wednesday, 4 September 2024 16:20 (20 minutes)*

**Presenter:** MAGALETTI, Lorenzo (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 157

Type: **not specified**

## **ESSnuSB future beam experiment**

*Wednesday, 4 September 2024 16:40 (20 minutes)*

**Presenter:** CEDERKALL, Joakim (Lund University (SE))

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 158

Type: **not specified**

## **NUMEN project: status and perspective**

*Wednesday, 4 September 2024 17:00 (20 minutes)*

**Presenter:** AGODI, Clementina (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: 159

Type: **not specified**

## Geoneutrino physics at JUNO

*Wednesday, 4 September 2024 17:50 (20 minutes)*

**Presenter:** RODRIGUES, Fernanda (Institute of High Energy Physics, Beijing, China)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **160**

Type: **not specified**

## Recent theory results on CEvNS

*Wednesday, 4 September 2024 18:10 (20 minutes)*

**Presenter:** CADEDDU, Matteo (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations



Contribution ID: **161**

Type: **not specified**

## **Neutrino quantum kinetics in SN and binary mergers**

*Wednesday, 4 September 2024 18:30 (20 minutes)*

**Presenter:** NAGAKURA, Hiroki (National Astronomical Observatory of Japan)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **162**

Type: **not specified**

## **Thermodynamics of oscillating neutrinos**

*Wednesday, 4 September 2024 18:50 (20 minutes)*

**Presenter:** JOHNS, Luke (Los Alamos National Lab)

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **163**

Type: **not specified**

## **DUNE sensitivity to BSM searches**

*Friday, 6 September 2024 16:00 (20 minutes)*

**Presenter:** ILIC, Nikolina (University of Toronto)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: **164**

Type: **not specified**

## **Oscillation decoherence at ESSnuSB experiment**

*Friday, 6 September 2024 16:20 (20 minutes)*

**Presenter:** GHOSH, Monojit (Ruđer Bošković Institute, Zagreb, Croatia)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 165

Type: **not specified**

## **Nonstandard oscillations with KM3NeT**

*Friday, 6 September 2024 16:40 (20 minutes)*

**Presenter:** LESSING, Nadja (IFIC, UV, CSIC)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 166

Type: **not specified**

## **Beyond standard model physics with IceCube**

*Friday, 6 September 2024 17:00 (20 minutes)*

**Presenter:** FISCHER, Leander (DESY Zeuthen)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: **167**

Type: **not specified**

## **Modular neutrinos**

*Friday, 6 September 2024 17:50 (20 minutes)*

**Presenter:** PENEDO, Joao (INFN Roma Tre)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 168

Type: **not specified**

## Can quantum statistics distinguish Dirac/Majorana nu?

*Friday, 6 September 2024 18:10 (20 minutes)*

**Presenter:** AKHMEDOV, Evgeny (Max-Planck-Institut fuer Kernphysik, Heidelberg)

**Session Classification:** Session II (parallel) Beyond the standard framework



Contribution ID: **169**

Type: **not specified**

## **(Future) collider probes of neutrino magnetic moments**

*Friday, 6 September 2024 18:30 (20 minutes)*

**Presenter:** VIGNAROLI, Natascia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 170

Type: **not specified**

## **Nucleon decays at JUNO**

*Friday, 6 September 2024 18:50 (20 minutes)*

**Presenter:** GUO, Wan-lei (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 171

Type: **not specified**

## **EFT calculations for beta and 0nubb decays**

*Friday, 6 September 2024 16:00 (20 minutes)*

**Presenter:** CIRIGLIANO, Vincenzo (Los Alamos National Laboratory)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 172

Type: **not specified**

# Spectral Shape of Forbidden Beta Decays: Recent Results on In-115

*Friday, 6 September 2024 16:20 (20 minutes)*

**Presenter:** Dr PAGNANINI, Lorenzo (Gran Sasso Science Institute & INFN - LNGS)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 173

Type: **not specified**

## Latest results from CUORE

*Friday, 6 September 2024 16:40 (20 minutes)*

**Presenter:** BIANCACCI, Valentina (GSSI, INFN)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 174

Type: **not specified**

## Latest results from CUORE

*Friday, 6 September 2024 17:00 (20 minutes)*

**Presenter:** QUITADAMO, Simone (Università degli studi di Milano-Bicocca)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 175

Type: **not specified**

## **Direct neutrino mass measurements with cryo-detectors**

*Friday, 6 September 2024 17:50 (20 minutes)*

**Presenter:** FERRI, Elena (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 176

Type: **not specified**

## Details of the latest KATRIN data analysis

*Friday, 6 September 2024 18:10 (20 minutes)*

**Presenter:** SALOMON, Richard (University of Münster)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions



Contribution ID: 177

Type: **not specified**

## Results from FASER at CERN

*Friday, 6 September 2024 18:30 (20 minutes)*

**Presenter:** INADA, Tomohiro (CERN)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 178

Type: **not specified**

# ENUBET neutrino cross section experiment: plans at CERN

*Friday, 6 September 2024 18:50 (20 minutes)*

**Presenter:** TERRANOVA, Francesco (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 179

Type: **not specified**

## **NA61/SHINE results**

*Saturday, 7 September 2024 16:00 (20 minutes)*

**Presenter:** ZIMMERMAN, Eric D

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **180**

Type: **not specified**

## **MicroBooNE cross section measurements**

*Saturday, 7 September 2024 16:20 (20 minutes)*

**Presenter:** NOWAK, Jaroslaw Andrzej

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **181**

Type: **not specified**

## **T2K cross section measurements**

*Saturday, 7 September 2024 16:40 (20 minutes)*

**Presenter:** BATHE-PETERS, Lars (University of Oxford)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **182**

Type: **not specified**

## **SBND cross section measurements**

*Saturday, 7 September 2024 17:00 (20 minutes)*

**Presenter:** YATES, Lauren (Fermilab)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **183**Type: **not specified**

## Neutrino-nucleus cross-section (ab initio method)

*Saturday, 7 September 2024 17:50 (20 minutes)*

**Presenter:** STEINBERG, Noah (Fermi National Accelerator Laboratory)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **184**Type: **not specified**

## Neutrino-nucleus cross sections (theory)

*Saturday, 7 September 2024 18:10 (20 minutes)*

**Presenter:** NIKOLAKOPOULOS, Alexis (Fermilab)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions



Contribution ID: **185**

Type: **not specified**

## **Recent cross-section results using SuSA-v2 approach**

*Saturday, 7 September 2024 18:30 (20 minutes)*

**Presenter:** BELOCCHI, Valerio (Istituto Nazionale di Fisica Nucleare, Università di Torino)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **186**

Type: **not specified**

## **Role of the radiative corrections in $\nu$ interactions**

*Saturday, 7 September 2024 18:50 (20 minutes)*

**Presenter:** DORDEI, Francesca (INFN CA)

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **187**

Type: **not specified**

## **Transplanckian problem during inflation**

*Saturday, 7 September 2024 16:00 (20 minutes)*

**Presenter:** MANGANO, Gianpiero (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: **188**Type: **not specified**

## Gravitational waves from core-collapse SN

*Saturday, 7 September 2024 16:20 (20 minutes)*

**Presenter:** LELLA, Alessandro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: **189**Type: **not specified**

# Flavor conversion in SN and binary mergers: the role of AI

*Saturday, 7 September 2024 16:40 (20 minutes)*

**Presenter:** ABBAR, sajad (MPP)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 190

Type: **not specified**

## Particle escape in SN remnants, gamma ray and nu scenarios

*Saturday, 7 September 2024 17:00 (20 minutes)*

**Presenter:** CELLI, Silvia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 191

Type: **not specified**

## **From boost to brake: DM upscattering by the DSNB**

*Saturday, 7 September 2024 17:50 (20 minutes)*

**Presenter:** HERBERMANN, Tim

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 192

Type: **not specified**

# JUNO potential for SN, solar and atmospheric neutrinos

*Saturday, 7 September 2024 18:10 (20 minutes)*

**Presenter:** MALABARBA, Marco (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos



Contribution ID: 193

Type: **not specified**

## DM search with DarkSide-20k: Solar $\nu$ and Ar-39 backgrounds

*Saturday, 7 September 2024 18:30 (20 minutes)*

**Presenter:** ATZORI CORONA, Mattia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 194

Type: **not specified**

## Search for DM and solar 8-B neutrinos in XENONnT

*Saturday, 7 September 2024 18:50 (20 minutes)*

**Presenter:** MACOLINO, Carla (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: 195

Type: **not specified**

## Inverse seesaw with flavor and CP symmetries

*Wednesday, 4 September 2024 16:00 (20 minutes)*

**Presenter:** HAGEDORN, Claudia (IFIC - UV/CSIC)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 196

Type: **not specified**

## **Type-II see-saw effects on neutrino trident scattering**

*Wednesday, 4 September 2024 16:20 (20 minutes)*

**Presenter:** LI, Ming-Wei (Tsung-Dao Lee Institute)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 197

Type: **not specified**

## **Thermal effects in freeze-in neutrino DM production**

*Wednesday, 4 September 2024 16:40 (20 minutes)*

**Presenter:** ROSAURO-ALCARAZ, Salvador (IJCLab)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: **198**

Type: **not specified**

## **Low-scale Leptogenesis with Low-Energy CPV**

*Wednesday, 4 September 2024 17:00 (20 minutes)*

**Presenter:** GRANELLI, Alessandro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: **199**

Type: **not specified**

## **T2K-NOvA tension and physics beyond SM**

*Wednesday, 4 September 2024 17:50 (20 minutes)*

**Presenter:** PALAZZO, Antonio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: **200**

Type: **not specified**

## **JSNS2 Experiment**

*Wednesday, 4 September 2024 18:10 (20 minutes)*

**Presenter:** SHIN, ChangDong (KEK)

**Session Classification:** Session II (parallel) Beyond the standard framework



Contribution ID: **201**

Type: **not specified**

## **Details of oscillation searches at ICARUS and SBN**

*Wednesday, 4 September 2024 18:30 (20 minutes)*

**Presenter:** WORCESTER, Elizabeth (Brookhaven National Laboratory)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 202

Type: **not specified**

## **KATRIN: keV sterile neutrino search**

*Wednesday, 4 September 2024 18:50 (20 minutes)*

**Presenter:** NAVA, Andrea (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 208

Type: **not specified**

## **Concluding Talk: Global analyses now and in the future**

*Saturday, 7 September 2024 19:10 (30 minutes)*

**Presenter:** SCHWETZ, Thomas (Max-Planck-Institute for Nuclear Physics)

**Session Classification:** Conclusions

Contribution ID: **209**

Type: **not specified**

## Acknowledgments

*Saturday, 7 September 2024 19:40 (10 minutes)*

**Presenter:** LISI, Eligio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Conclusions

Contribution ID: 210

Type: **not specified**

## **Beta decay and neutrino mass: KATRIN and beyond**

*Friday, 6 September 2024 09:00 (30 minutes)*

**Presenter:** SCHLÖSSER, Magnus (Karlsruhe Institute of Technology)

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions

Contribution ID: 211

Type: **not specified**

## Neutrinoless double beta decay: Towards ton-scale experiments

*Friday, 6 September 2024 09:30 (30 minutes)*

**Presenter:** BELLINI, Fabio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions

Contribution ID: 212

Type: **not specified**

## **Theory of neutrinoless double beta decay: Perspectives**

*Friday, 6 September 2024 10:00 (30 minutes)*

**Presenter:** HOLT, Jason

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions

Contribution ID: 213

Type: **not specified**

## **COHERENT and the future of CEvNS**

*Friday, 6 September 2024 11:00 (30 minutes)*

**Presenter:** PERSHEY, Daniel (Florida State University)

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions



Contribution ID: 214

Type: **not specified**

## Understanding neutrino cross sections

*Friday, 6 September 2024 11:30 (30 minutes)*

**Presenter:** MESSERLY, Benjamin (University of Minnesota)

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions

Contribution ID: 215

Type: **not specified**

## **Announcement #1**

*Tuesday, 3 September 2024 10:30 (1 minute)*

**Session Classification:** Session I (plenary): Standard three-neutrino oscillations

Contribution ID: **216**

Type: **not specified**

## **Announcement #2**

*Tuesday, 3 September 2024 17:20 (1 minute)*

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **217**

Type: **not specified**

## **Announcement**

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **218**

Type: **not specified**

## **Announcement**

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations

Contribution ID: **219**

Type: **not specified**

## **Announcement #2**

*Tuesday, 3 September 2024 17:20 (1 minute)*

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos

Contribution ID: **220**

Type: **not specified**

## **Announcement #3**

*Wednesday, 4 September 2024 10:30 (1 minute)*

**Session Classification:** Session II (plenary): Beyond the standard framework

Contribution ID: **221**

Type: **not specified**

## **Announcement #4**

*Wednesday, 4 September 2024 17:20 (1 minute)*

**Session Classification:** Session I (parallel) - Standard three-neutrino oscillations



Contribution ID: 222

Type: **not specified**

## **Announcement #4**

*Wednesday, 4 September 2024 17:20 (1 minute)*

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 223

Type: **not specified**

## **Announcement #5**

*Thursday, 5 September 2024 10:30 (1 minute)*

**Session Classification:** Extra Session (plenary): Crossing the portal

Contribution ID: 224

Type: **not specified**

## **Announcement #6**

*Friday, 6 September 2024 10:30 (1 minute)*

**Session Classification:** Session III (plenary): Neutrino masses, states and interactions

Contribution ID: 225

Type: **not specified**

## **Announcement #7**

*Friday, 6 September 2024 17:20 (1 minute)*

**Session Classification:** Session II (parallel) Beyond the standard framework

Contribution ID: 226

Type: **not specified**

## **Announcement #7**

*Friday, 6 September 2024 17:20 (1 minute)*

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: 227

Type: **not specified**

## **Announcement #8**

*Saturday, 7 September 2024 10:30 (1 minute)*

**Session Classification:** Session IV (plenary): Particle physics from the sky and the cosmos

Contribution ID: 228

Type: **not specified**

## **Announcement #9**

*Saturday, 7 September 2024 17:20 (1 minute)*

**Session Classification:** Session III (parallel) Neutrino masses, states and interactions

Contribution ID: **229**

Type: **not specified**

## **Announcement #9**

*Saturday, 7 September 2024 17:20 (1 minute)*

**Session Classification:** Session IV (parallel) Particle physics from the sky and the cosmos



Contribution ID: **230**

Type: **not specified**

## Welcome to NOW2024

*Tuesday, 3 September 2024 08:45 (15 minutes)*

**Presenter:** BERNARDINI, Paolo (Istituto Nazionale di Fisica Nucleare)