

NUPHYS2023 PROSPECTS IN NEUTRINO PHYSICS

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KING'S COLLEGE, LONDON



NuPhys 2023

PROSPECTS IN NEUTRINO PHYSICS

King's College London, 18th-20th December 2023

<https://indico.cern.ch/e/nuphys2023>

The conference on the unresolved issues in neutrino physics
is back!

Covering: Theoretical and phenomenological perspectives | Future long and short
baseline neutrino oscillation experiments | Reactor neutrinos and fluxes |
Neutrinoless double beta decay | Solar, atmospheric and supernova neutrinos |
Neutrino cosmology



NUPHYS2023 BEST POSTER AWARDS

- **Excellent posters!** It was a very interesting and vibrant poster session.
- The poster talks provided an excellent brief introduction.
- **Best Poster Awards based on the votes received.**
Thanks to all for helping!

NUPHYS2023 BEST THEORY POSTER

Runner-up:

- Neutrino energy scale measurements for final state interaction models in DUNE using advanced computing
- Aleena Rafique

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Winner:

- 2p-2h Cross Section Systematics in DUNE
- Lars Ludwig Hans Bathe-Peters

NUPHYS2023 BEST EXPERIMENTAL POSTER

Runner-up:

- MINERvA Data Preservation: Enabling Muon Fuzz Analysis
- Akeem Hart

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Winner:

- Jasmine Simms
- Muon track reconstruction in the scintillator phase of SNO+

PROCEEDINGS

- The NuPhys2023 Proceedings will be available online using the online archive **Zenodo**. **Slides and/or poster will be uploaded to Zenodo**. The contributions will get a **DOI** (Digital Object Identifier), and thus, will be uniquely citable. Please provide us with your ORCID!!
- The Zenodo contribution can be accompanied by a traditional contribution to be submitted to the **arXiv**. We will link this manuscript to the conference proceedings. Note that this is completely optional.
- **Deadline: March 31, 2024**
- Information on the NuPhys2023 web pages (Proceedings): <https://indico.cern.ch/event/1234324/page/29349-proceedings>

NUPHYS2025

- We are moving to **bi-yearly conferences**.
 - The next conference is on **Dec 2025**.
 - Three days during the week starting on Dec 15, 2025.
 - Plan to **advertise** the conference in **Spring 2024**.

MANY THANKS TO

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MANY THANKS TO

- **All plenary speakers and poster contributors**, thank you for their excellent presentation and work!
- **Our brilliant support team**: Sophie King (coordinator), Albert Baker, Nahid Bhuiyan, George Burton, Rogan Clark, Dr Daniel Cookman, Katharine Dixon, Jack Dennis Franklin, Joanna Gao, Catherine Lawes, Andres Lopez Moreno, Sania Lewis, Jost Migenda, Ewan Miller, Archie Millsop, Rory Ramsden, Stephane Zsoldos.
- **Our responsive administrative support teams**: Physics-Research and Operations and King's Event, led by Carmen and Howard!

ALL PARTICIPANTS FOR MAKING A GREAT NUPHYS2023 CONFERENCE

