

# NuPhys2019

## Closing Remarks

NuPhys2019



Cavendish Venues - London  
18 December 2019

Francesca Di Lodovico - Silvia Pascoli

King's College London - IPPP Durham University



# Neutrinos oscillate: so they have mass and mix

Solar neutrinos



Accelerator neutrinos: LBL

Atmospheric neutrinos

SBL exp

Reactor neutrinos

Direct mass searches

Neutrinoless double beta decay

Cosmology and astrophysics

Theoretical advances

Phenomenology status and questions

LFV, Heavy sterile neutrinos, Colliders

# Proceedings

The NuPhys2019 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 citeable.

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: 31 March 2020.**

# **NuPhys Best Poster Awards**

Excellent posters! It was a very lively and interesting poster session.

The poster talks were excellent and provided a brief overview.

Best Poster Awards based on the nominations received. Thanks to all for helping!

# **Best theory poster**

Runner-up:

**Miguel Escudero**

*King's College London*

**Could the Hubble tension be pointing  
towards the neutrino mass mechanism?**

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Winner:

**Nature Reviews Physics Poster Prize**

**Kareem Farrag**

*Queen Mary UoL*

**Exploring new physics at Planckian scales  
via neutrino flavour in IceCube's HESE 7.5**

# **Best experimental poster**

Runner-ups:

**Tommaso Boschi**

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**How to monitor your Gd-loaded water**

**Cherenkov detector**

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**Nicolo` Foppiani**

*Harvard University*

**Calorimetry likelihood: A new particle  
identification method in MicroBooNE**



# Many Thanks to

King's College London  
IPPP - Durham University



Special thanks to JSPS and Nature.

Also: STFC, IOP

FP7 ERC 617143-NuMass

Horizon2020 ITN Elusives No674896

Horizon 2020 RISE InvisiblesPlus No690575

Horizon 2020 COST Jennifer2 No822070



Science & Technology  
Facilities Council

UK Research  
and Innovation



# Many Thanks to

The Programme Committee: Francesca di Lodovico, Sabya Sachi Chatterjee, Teppei Katori, Sophie King, Arsenii Titov, Jeanne Wilson.

All **plenary speakers** and **poster contributors!**

The NuPhys secretary **Deborah Dolphin.**

Cavendish Conference Centre for a very smooth running! Especially to Renata and Dermot. Many thanks!!!

**Our fantastic students and postdocs!**

*Asli Abdullahi, Nauman Akhlaq, Tommaso Boschi, Kareem Farrag, Kris Moffat, Susana Molina Sedgwick, Lorna Nolan, Yanyun Ma, Maitrayee Mandal, Kang Yang.*

# All participants for making NuPhys2019 an interesting and lively workshop!



# NuPhys2020



**We plan to host NuPhys2020 next year.**

**Scope:** Broad but very focussed discussions of new developments in neutrino theory and experiments.

**Date:** 3 days in the period 16-18 Dec 2019. Exact dates to be decided.

**Location:** London

Announcement and website will be available in early Spring.

**We would like to invite you to NuPhys2020!**

Preliminary



**Thanks to all of you!**

**Happy holidays!**

**See you next year at NuPhys2020!**