

## **Session Program**

**7-9 Jan 2026**



# **NuPhys2026: Prospects in Neutrino Physics**

## ***New Detector Technologies***

King's College London  
King's College London, Strand, London, WC2R 2LS

# Wednesday 7 January

14:30

## New Detector Technologies

**Session** | **Location:** King's College London, Safra Lecture Theatre

14:30-14:45

### **Latest performance results of the High-Angle TPC in the upgraded T2K off-axis near detector**

**Speaker**

Camilla Forza

14:50-15:05

### **An innovative lens-based imaging detector for GRAIN in SAND at the DUNE Near Detector Complex: track and vertex reconstruction performance**

**Speaker**

Silvia Repetto

15:10-15:23

### **ND280++, the multi-ton upgrade of the magnetised near detector for the Hyper-Kamiokande high-statistics phase**

**Speaker**

Dr Daniel Ferlewicz

15:28-15:43

### **A Magnetised High-Pressure Gaseous Argon TPC for the DUNE Near Detector**

**Speaker**

Francisco Martínez López

16:00

# Thursday 8 January

09:30

## New Detector Technologies

**Session** | **Location:** King's College London, Safra Lecture Theatre

09:30-09:43 **Status of the Hyper-Kamiokande experiment**

**Speaker**

Robert Kralik

09:45-10:00

**Prospects for an Upgraded Near Detector for Hyper Kamiokande - ND280++**

**Speaker**

Ewan Miller

10:02-10:15 **Theia: next-generation neutrino detection**

**Speaker**

Prof. Gabriel Orebi Gann

10:17-10:30 **The DUNE Photon Detection System**

**Speaker**

Dr Patricia Sanchez-Lucas

10:32-10:45

**Data-Driven PMT Calibration of Large Liquid Detectors with Unsupervised Learning**

**Speaker**

Scott DeGraw

10:45

# Friday 9 January

09:30

## New Detector Technologies

**Session** | **Location:** King's College London, Anatomy Lecture Theatre

09:30–09:46

### **BUTTON - A Technology Testbed for Neutrino Detection at Boulby Underground Laboratory**

**Speaker**

Daniel Swinnock

09:50–10:06

### **Eos: a demonstrator for next-generation neutrino detection**

**Speaker**

Prof. Gabriel Orebi Gann

10:10–10:26

### **The SoLAr project: A dual-readout pixelated anode for multipurpose LArTPCs**

**Speaker**

Dr Daniele Guffanti

10:30