

### Who are we?

Committee is diverse with members from **academia** and **industry** both in the UK and internationally.

**Dr Jack Henderson** – Chair

**Dr Kara Lynch** – Secretary

**Dr Stefanos Paschalis** – Treasurer\*

**Dr Liam Gaffney** – Member\*

**Dr David Lee** – Member

**Dr Andrew Petts** – Member

**Dr Rachel Montgomery** – Member\*

**Dr Lee Packer** – Member\*

**Dr Philippos Papadakis** – Member\*

**Dr Daniel Pittman-Weymouth** - Member

**Miss Bethany Slingsby** – Member

**Miss Hannah Gill** – Early Career Physicist

\*Term ending 2025

## Event Funding

### What does the IOP Nuclear Physics Group Committee Do?

**Supports conferences and workshops** organised by group members – this year's budget (April onwards) being developed.

Half-day event £500 (£750 for more than one group)

One-day event\* £1000 (£1500 for more than one group)

No additional funding for multi-day events

Events organised by the group *cannot receive support if there is a registration fee*

External events can also be supported, roughly in line with the above levels, but with additional support for multiple days

Total budget for group events should be comparable to that for external events

**Supports early career researchers** through the awards of **ECR prize**, **thesis prize** and **student conference prizes**.

**IOP has small pots of money for ECRs to attend conferences, do outreach etc.**

Have a look here <https://www.iop.org/about/support-grants#gref>

## Funding for events

Half-day event £500 (£750)

One-day event\* £1000 (£1500)

Contact [jack.henderson@surrey.ac.uk](mailto:jack.henderson@surrey.ac.uk) or new Treasurer...

### 2024 sponsored events (~£19k):

IOP Joint NP, HEPP, APP conference – Liverpool

Nuclear Physics Summer School

R-Matrix school – Edinburgh

NSTAR meeting – York

Anapole Moments mini-workshop – York

UK-EIC meeting – York

BridgeCE - Surrey

ECR event (January 2025) – Edinburgh

### 2025 (~£21k):

*ECR Forum (Manchester)*

*Nuclear Physics in Plasma  
Environments (IoP)*

R3B Meeting (York...?)

BridgeCE Meeting and School (York)

Plunger meeting (UWS)

*HYPATIA Science workshop (IoP)*

*FAUST science workshop (IoP)*

*Perspectives in nuclear data  
(Glasgow)*

*AI in nuclear physics and applications  
(IoP)*

WOSMIPX

UK Nuclear Science Forum (TBC)

## Early career researcher prize

### Nuclear Physics Early Career Researcher Prize

This annual prize is for a promising early career scientist who has made an outstanding contribution to nuclear physics.

#### Deadline November (announcement in September)

Open to researchers in experimental or theoretical nuclear physics in fundamental or applied areas.

<6 years post doctoral experience or 10 years since start of first employment.

Nomination form and supporting statement from referee.

## Thesis prize

### Nuclear Physics Thesis Prize

A new prize awarded annually for exceptional work carried out as part of a PhD thesis project in the field of nuclear physics. The winner receives £250.

#### Deadline November (announcement in September)

Open to individuals who have received their PhD in the 12-month period prior to the deadline (exceptions can be made at the group's discretion).

Nominations for physicists work in applied or industrial nuclear physics welcome.

Nomination and supporting statement from referee.

## IoP Conferences

**2025:** University of Manchester – 23<sup>rd</sup> – 25<sup>th</sup> April 2025

**2026:** University of Brighton – 13<sup>th</sup> - 15<sup>th</sup> April 2025, **Chair:** Alison Bruce

Future conferences:

**2027:** University of Birmingham

**2028:** University of Glasgow (Joint HEPP/APP)

**2029:** University of the West of Scotland

Considering options to improve attendance from academics

*Would be useful to know why people are not attending*



## New initiative: UK Nuclear Data Conference 2026

### Conference co-organized with IoP Nuclear Industry Group (Chair: Andrew Petts)

Bring together stakeholders (industry and national labs), researchers and funders for a four/five-day conference on UK nuclear data requirements and capabilities

Expected to be held in August 2026, venue TBC (under consideration: Harwell Campus, Manchester, York, Liverpool, ...)

Organizing committee from multiple institutions:

University of Surrey, EDF, NPL, UKAEA, UKNNL, AWE, University of Manchester, University of Glasgow, University of Cambridge, University of York, University of Lancaster

Details to follow in the coming months

## New initiative: A vision for UK Nuclear Physics in 2050

### What opportunities might exist in 10+ years time?

Examples: Vulcan, STEP, ISIS-2, quantum-infrastructure, ...

Are there routes for nuclear physics to develop using next generation facilities outside of traditional accelerator laboratories?

Can nuclear physics help bridge the gap between new facilities and other national challenges?

Being led by Philippos Papadakis and JH

Fifteen fellows and recently appointed academics being consulted. Kick-off meeting in late August.

Hope to have a presentation ready for the community in time for the IoP in Brighton...



**Thank you!**