

# **IOP** | Institute of Physics **Nuclear Physics Group**



**Nuclear Physics Community Meeting 2023**

**D. Sharp – Nuclear Physics Group Chair**

## **Overview**

- IOP committee
- Membership
- Events
  - Funded in 2022
  - To come in 2023
  - Conference services
- Early career prize

## *IOP Nuclear Physics Group Committee*

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

### Elections took place last year leading to new member

#### **Represented UK institutions**

AWE, Culham, Daresbury, Glasgow, Liverpool, NNL, Manchester, Surrey, York.

#### **Topical areas represented**

Hadron Structure, Nuclear Structure, Nuclear Data, Nuclear Fusion, Nuclear Industry, Nuclear Technology, Detector Development.

#### **Elections 2023**

Chair, Secretary, 3 ordinary members.

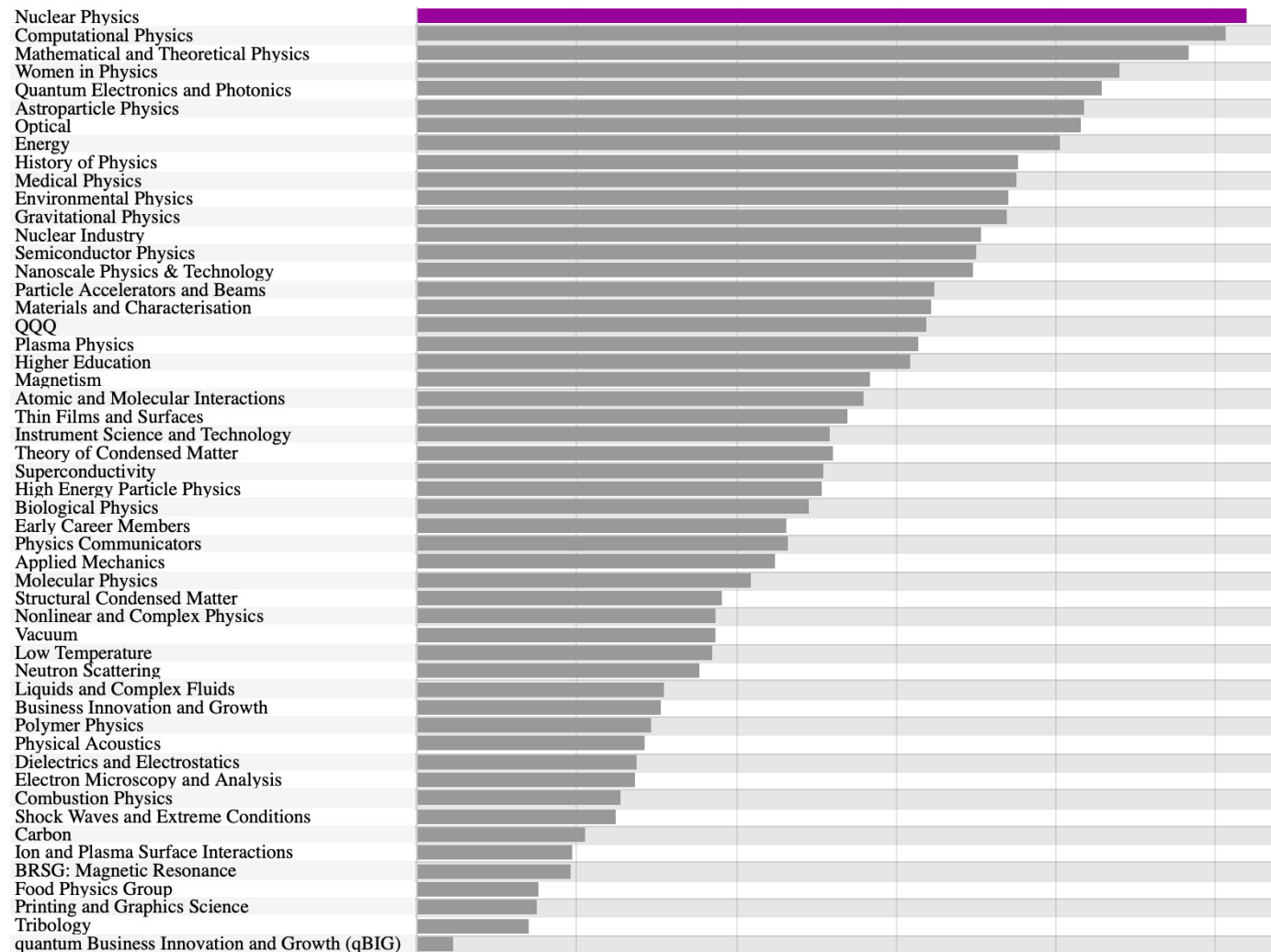
Chair	Dr David Sharp
Secretary	Dr James Benstead
Treasurer	Dr Stefanos Paschalis
Ordinary Member	Mrs Latha Chappa
Ordinary Member	Dr Liam Gaffney
Ordinary Member	Dr Jack Henderson
Ordinary Member	Dr Rachel Montgomery
Ordinary Member	Mr Lee Packer
Ordinary Member	Dr Philippos Papadakis
Ordinary Member	Mr Malik Salaam
Early Career Scientist	<i>Miss Bethany Slingsby</i>
Early Career Scientist	Dr Waris Ali

## Membership

Nuclear Physics Group is the **largest IOP special interest group** – 2600 members.

Largest for female members – F=26%

10<sup>th</sup> youngest average age 50% < 25 years old (F=33%)



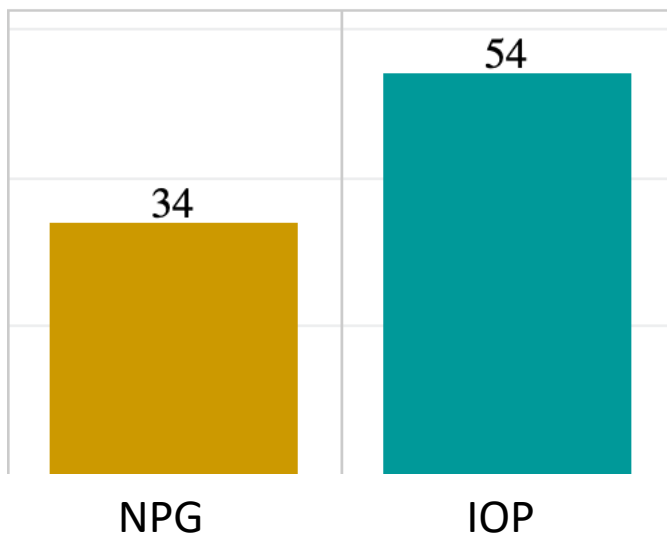
## Membership

Nuclear Physics Group is the largest IOP special interest group – 2600 members (12% IOP membership).

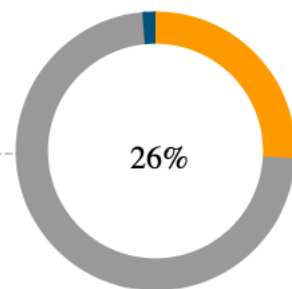
Largest for female members – F=26%

10<sup>th</sup> youngest average age 44% < 25 years old (F=32%)

Avg Age



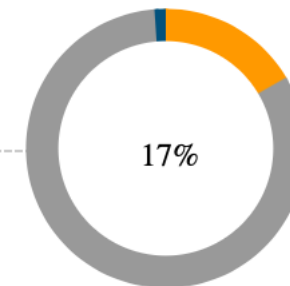
Female %



NPG

Female %

Female %



IOP

Female %

All members

<25 years

32%

27%

36% of IOP members < 25 years are members of NPG

## Funding for events

Half-day event £500 (£750)

One-day event\* £1000 (£1500)

Multi-day conference £1000 (£1500) for the first day, plus £500 (£750) for each additional day

Contact [david.sharp@manchester.ac.uk](mailto:david.sharp@manchester.ac.uk) and Stefanos Paschalis [stefanos.paschalis@york.ac.uk](mailto:stefanos.paschalis@york.ac.uk)

### 2022 sponsored events

IOP NPG conference – Surrey

Nuclear Physics Summer School – Sheffield (**D. Doherty talk**)

International Symposium on Multiparticle Dynamics– Pitlochry  
Joint with HEPP and APP

n\_ToF collaboration meeting – Edinburgh

Early Career Researcher Forum – York (**J. Henderson**)

### 2023 funding £9k

IOP NPG conference (3) – York

Charge-plunger techniques workshop (1) – UWS

Quantum effects near threshold (3) – Edinburgh

Early Career Researcher Forum (1) – TBC

£3k currently unallocated but 2 requests already.

Any requests for 2023 events should be sent to committee by end January for consideration.



# UK Nuclear Physics Conference 2023

4–6 April 2023  
Hilton York Hotel, York, UK



## Abstract Submission

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We invite contributions for oral and poster presentations. Submissions from Early Career Researchers are particularly encouraged with prizes awarded for the best student presentations. Abstracts should be a maximum of 1-page of A4 and submitted online by 5 February 2023 following the guidelines and submission details below.

[SUBMIT AN ABSTRACT](#)

## IOP Nuclear Physics Group Members Colloquia

# IOP Nuclear Physics Group members colloquia

These seminars, organised by members of the IOP Nuclear Physics Group, cover a variety of topics in the field of nuclear physics. Each virtual seminar is hosted by a different Nuclear Physics Group in the UK with invited national and international speakers. The seminars are recorded to provide an open-access resource with links given below.

- [Novel Approaches to Neutron Measurements](#)
- [Machine Learning Applications for Nuclear Physics Experiments](#)
- [Big Bang Nucleosynthesis](#)
- [From Nuclei to Stars: The Strong Interaction in the Universe](#)

- Coordinated by IOP NPG – Liam Gaffney
- Organised by a different research group each month.
- Invited speakers – plenary plus ECR talks.
- Links to the recorded events can be found on the group webpages

## Self-service

This option is offered for events organised by the group (free and paid).

**The following is an outline of the service provided by the conferences team:**

- The event will be added to the events calendar
- We will create a website and online registration portal
- Send a list of registered participants
- Provide a presentation slide to display at the beginning of the event and during breaks
- Invoicing and credit control
- Transfer income collected to the group's budget
- Transfer information to the annual account

- A notification of events form must be submitted
- The meeting's web page will be hosted by the Institute
- The Institute will manage all registrations
- For events where a registration fee is charged, there should be at least a 25% differential fee between members and non-members

Recommended for half/one-day meetings, small workshops etc



# IOP events services

## Conference-management service

This is the most comprehensive service as the conferences team will manage all the logistics and administration for the event. Each event is allocated a member of the team, who will provide advice and support, and who will work with you to deliver the event.

### Project planning

- Produce a project plan with actions and deadlines

### Committees

- Provide support and guidance as requested to the committee

### Venue and accommodation

- Recommend suitable locations and venues to host the event and social activities
- Site inspections and risk assessments
- Negotiate accommodation arrangements
- Work with the venue to deliver the event

### Publicity

- Print marketing designed by our design studio
- Digital marketing including targeted email campaigns
- Identify co-sponsorship opportunities
- Printed advertisements in *Physics World*
- Place advertisements and banners as appropriate in journals and magazines
- Promote the event via social media

### Website

- Create and maintain a website for the event
- Optimisation for search engines
- Google analytics reporting
- Conference app

### Financial

- Produce a viable budget that will be set to break even. The Institute underwrites all the events organised using this service
- Account and auditing
- Invoicing, credit-card payments and credit control

### Exhibition and sponsorship

- Prepare an exhibition prospectus
- Targeted campaigns to potential exhibitors and sponsors
- Manage the production of the exhibition
- Engage with exhibition suppliers

### Registration, abstract and paper submission

- Bespoke online abstract and paper submission tool
- Online reviewing of abstracts and papers
- Delegate communication tool
- Bespoke online registration page
- Secure payment gateway
- Invoicing and electronic communication
- Reports
- Provide supporting letters for participants to obtain visas

### Scientific content

- Liaise with invited and contributed speakers
- Creation of the scientific programme

### On-site service

- Create material as appropriate for the event, e.g. handbook and abstract book
- Liaise with the venue onsite
- Provide staff to manage the registration desk
- Produce badges and delegate packs
- Deal with any enquiries that might arise at the conference
- Ensure all items are provided as agreed in the contract and within the times specified

### Post-event reporting

- Compile a survey to send out to all participants
- Evaluate the feedback and responses
- Send an analysis of participant numbers and attendance category
- Provide a full and transparent set of accounts
- Transfer information for annual accounts

### Proceedings

- Publish proceedings through *IOP Conference Series*
- Discounted rates for online publication
- Option to purchase print copies
- Management of the agreement for the proceedings
- Provide instructions for the preparation of papers
- Online paper-submission tool

**IOP events services**



**IOP Building**

Members lounge – computer access, power sockets, tea and coffee.

3 meeting rooms and 4 seminar rooms.

**FREE TO MEMBERS** – coffee and tea complimentary at events

To book a room [roombookings@iop.org](mailto:roombookings@iop.org)

For events use conference team [conferences@iop.org](mailto:conferences@iop.org)



## 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 16<sup>th</sup> January (supporting statements 31<sup>st</sup> January)**

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.