

# Joint APP, HEPP and NP Conference

**8–11 April 2024**  
The Spine, Liverpool, UK



## IOP HEPP AGM 2024

IOP HEPP Committee

10<sup>th</sup> April 2024, Liverpool

**IOP**

**Institute of Physics**  
**High Energy Particle**  
**Physics Group**



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## IOP HEPP Group Reports

- Chair
- Secretary
- Treasurer
- Half-Day Meetings
- Communications
  
- Thanks & Next Year!

# Chair's Report



Melissa Uchida  
Cambridge University

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**High Energy Particle  
Physics Group**

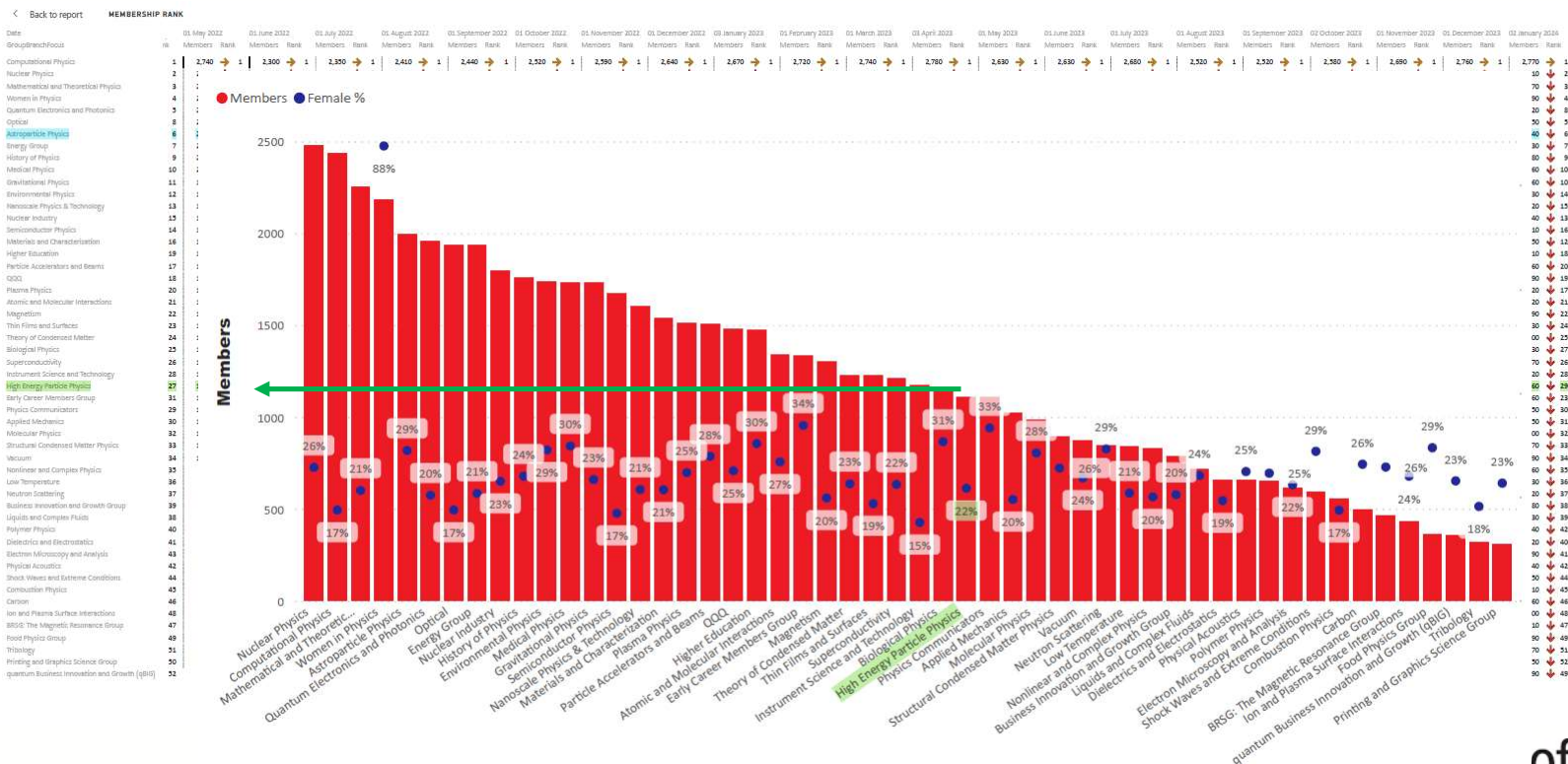
# Chair's Report



ROYAL HOLLOWAY UNIVERSITY OF LONDON

## IOP Groups

HEPP Group 1290 members, #29



of Physics

High Energy Particle Physics Group



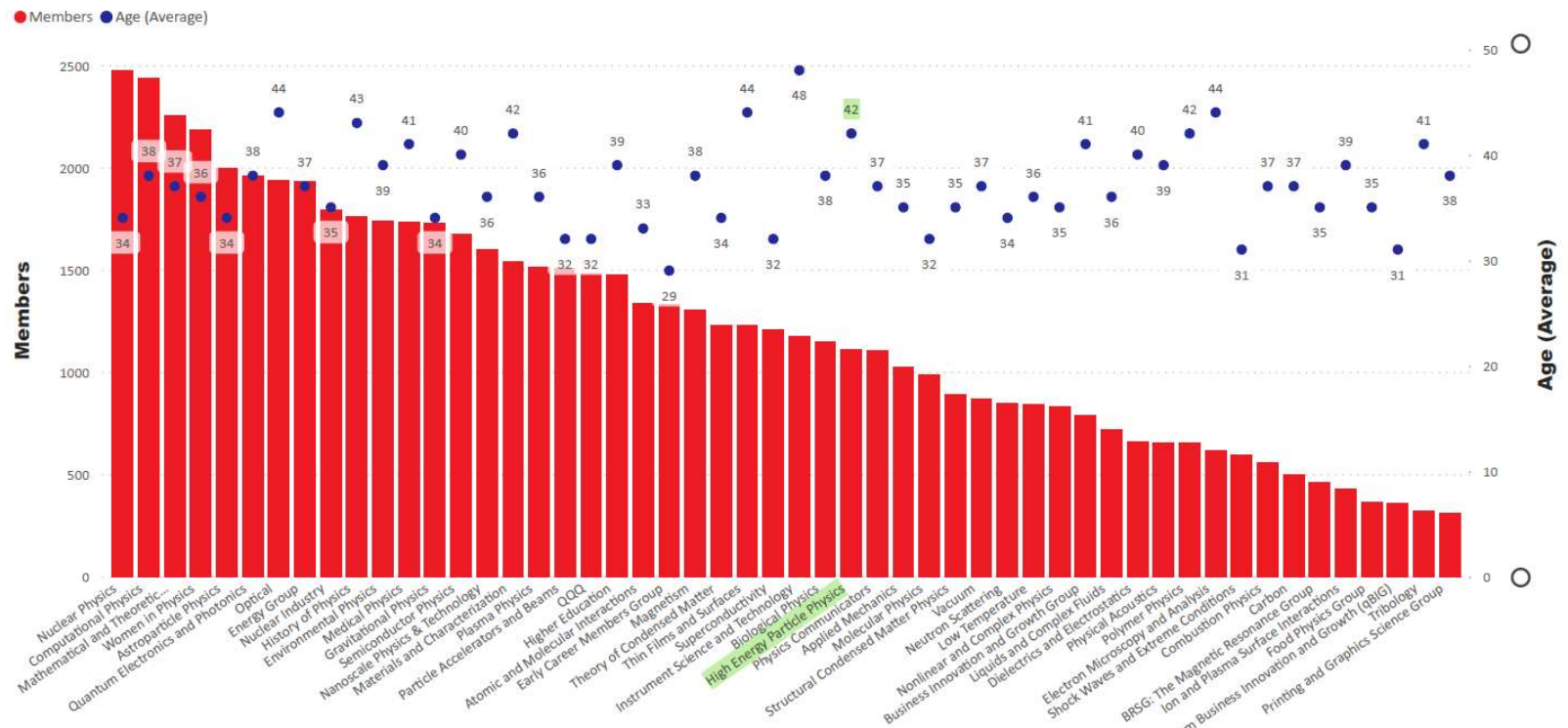
# Chair's Report



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## IOP Groups

HEPP Group: average member age 42



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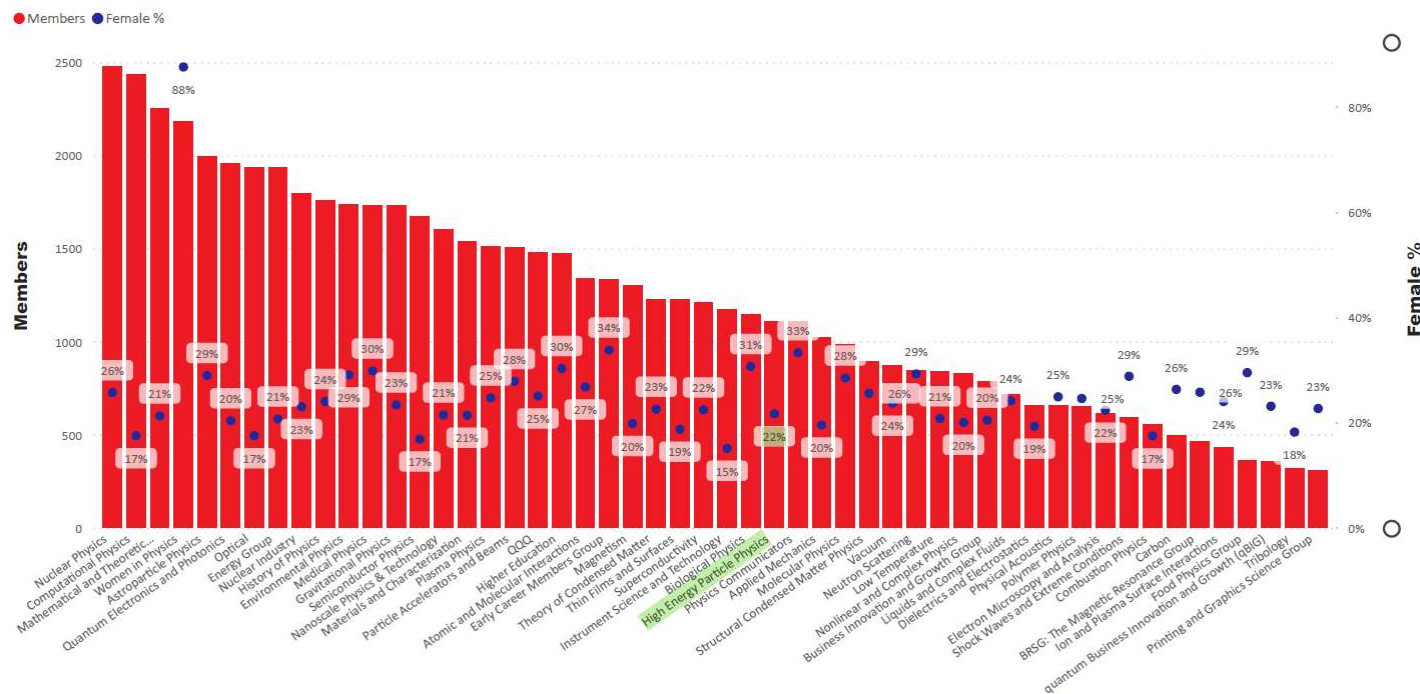
# Chair's Report



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## IOP Groups

HEPP Group: 22 % female



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# Secretary's Report



Tracey Berry

Royal Holloway, University of London



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# Secretary's Report



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➤ Who ?

➤ Why ?

How can we help you?

Supportive Funds

IoP Research Student Conference

Half-day Meeting

Celebrate: Prizes

Communicate Good News: Newsletter

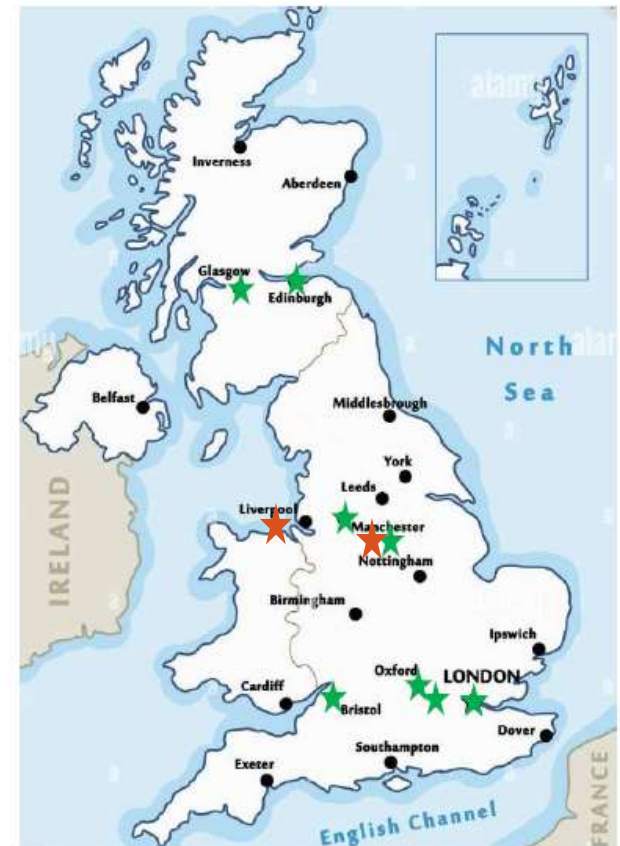
➤ Where next year?

# Secretary's Report – Who?



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Melissa Uchida	Cambridge	Chair
Tracey Berry	RHUL	Secretary
Andy Buckley	Glasgow	Treasurer
Jon Butterworth	UCL	Communications
Viola Gattus	Manchester	PG Student Rep
Alka Kumari	Liverpool	PG Rep/Social Media
Victoria Martin	Edinburgh	HoDs Rep
Peter Millington	Manchester	Half-day/Theory Rep
Vincent Smith	Bristol	Newsletter
Cheryl Patrick	Edinburgh	APP Connection
Peter Zeman	Manchester	Student

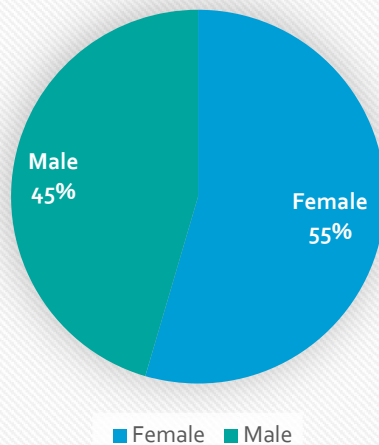


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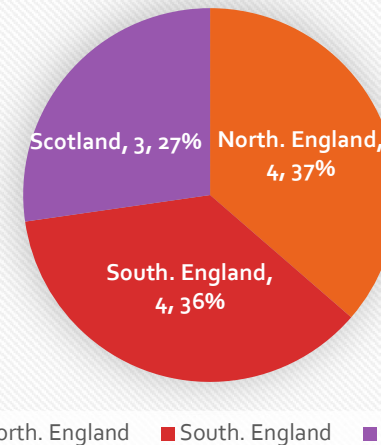


## Committee Diversity

IOP HEPP Committee 2024



IOP HEPP Committee 2024



# Secretary's Report



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You are welcome to join the committee – do self-nominate!

IOP members will receive an email similar to:

## If you are interested to join -annual call to join iop groups

*Please note you are receiving this reminder because you are a member of one or more of the Special Interest Groups highlighted in this email.*

The call for self-nominations for vacancies on IOP Special Interest Group Committees opened on 11 April 22 and there are still opportunities to join the committee, nominations close on 23 May 22. Relevant vacancies to your Groups can be found below. A number of groups have also updated their vacancies since the call opened and we'd like to encourage members to view the most up-to-date vacancy list on the MI-Nominations form page via the link above.

### Current Group Committee Vacancies

1. **Atomic and Molecular Interactions:** Treasurer, Ordinary Member/Early Career Physicist X6
2. **Energy:** Secretary, Ordinary Member/Early Career Physicist X2
3. **Environmental Physics:** Chair
4. **High Energy Particle Physics:** Chair, Treasurer, Ordinary Member/Early Career Physicist X8
5. **Ion and Plasma Surface Interactions:** Ordinary Member/Early Career Physicist X1
6. **Molecular Physics:** Ordinary Member/Early Career Physicist X4
7. **Neutron Scattering:** Ordinary Member/Early Career Physicist X4
8. **Plasma Physics:** Chair, Ordinary Member/Early Career Physicist X1

IOP members are invited to self-nominate today

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# Secretary's Report – Why ?



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For the HEPP community

- To provide support to members via conferences, workshops, meeting

<https://www.iop.org/about/support-grants>

- Funding to attend meetings, run workshops (half-day meetings)
- Helping to organise the IoP HEPP annual meeting
- Celebrating and Rewarding success – Prizes

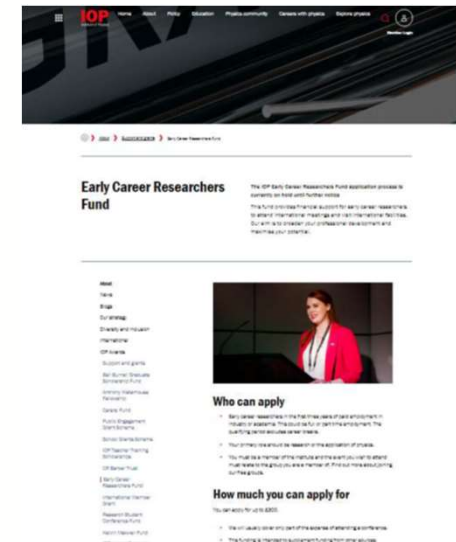
HEPP Group Prize

Science in Society Prize

Poster Prizes

Winners to be announced  
tonight at the dinner!

- Communicate your successes - newsletter



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# IOP Support



## IOP Carers' Fund

Up to £250 for members who could not otherwise go to an event or conference because they are a parent or carer.

[Find out more about the fund >](#)



## Public Engagement Grant Scheme

Apply now for grants of up to £4,000 to run physics-based activities in the UK and Ireland that support the Limit Less campaign and improve people's relationship with physics in their family or community groups.

[Find out more about the scheme >](#)



## CR Barber Trust

For members in the early stages of their career to attend an overseas conference.

[Find out more about the trust >](#)



## Early Career Researchers Fund

For researchers at the start of their careers to attend international meetings and facilities.

[Find out more about the fund >](#)

up to a total of £300



## International Member Grant

Grants of up to £500 for overseas members to run events with national physics societies in their countries of residence.

[Find out more about the grant >](#)



## Research Student Conference Fund

Financial support for PhD research students to attend international and major national meetings.

[Find out more about the fund >](#)

up to a total of £300



## Kelvin Maxwell Fund

Support for physics outreach exclusively in Scotland, to reach new audiences and inspire Scotland's future physicists.

[Find out more about the fund >](#)

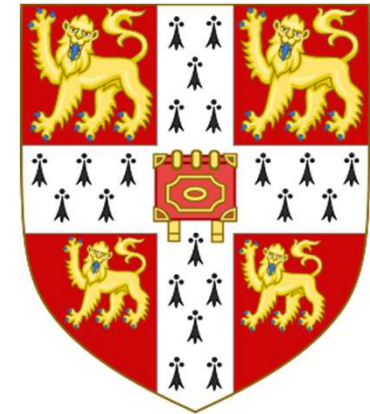
<https://www.iop.org/about/support-grants>

# Next IOP Annual Conference



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➤ In Cambridge 2025



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# Treasurer's Report



Andy Buckley  
Glasgow University

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## IoP HEPP 2023 expenditure



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### Total budget £10,550 – similar to 2022, £1000 above pre-Covid trend:

- £4,600 group events, £3,500 external events (has to be less than internal)
- £1,500 committee meetings, £750 newsletters, £200 prizes (max)

### Spent allocation to max ability (IoP have not yet sent the summary):

- full spend on meetings and prizes: ~£7,500 / £8,100 claimed/committed  
discrepancy in IoP / us meeting classifications, residual claims to resolve.
- full spend on prizes: £200 / £200.
- ~£400 / £1,500 on committee meetings: London conf meant little prep travel, but pre-Liverpool meeting also cheap. Likely underspend in 2024.
- ~£50 / £750 on newsletter postage: made unaffordable by new print/postage charges, now only a few special cases sent paper copies.

We have queried the policy of **no prize money for the group prize** – unclear how this “contribution” differs from the outreach (contribution). Response was to query the outreach award! If group-prize money allowed, will require external sponsorship.



# IoP HEPP 2024 budget



IoP funding issues (e.g., open-access impacts on publishing income) suggested a budget cut, but we were given 100% of our request:

	2024												2024 Total	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Committee Expenses	1,200					300								1,500
Group Events Subsidy	250	250	250	1,250	250	250	250	250	250	250	250	500	4,250	
External Conference Support	750	200	200	700	200	200	200	200	200	200	200	750	4,000	
Newsletter & Communication	100												100	
Subscriptions & Affiliations	-												-	
Prizes & Awards				200									200	
Branch Talks Programme	-												-	
Public Engagement Activities					1,000								1,000	
Education Activities	-												-	
Grants	-												-	
Partnership & Collaboration	-												-	
Recognition and recruitment of	-												-	
Other	-												-	
	2,300	450	450	2,150	1,450	750	450	450	450	450	450	1,250	11,050	

2024 budget £11,050: a **£500 increase**, despite the newsletter request dropping to £100.

**Extra mainly in a new £1000 for Masterclass/outreach => watch this space!**

# Half-Day Report



Peter Millington  
Manchester University

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## Half-Day Meetings/Conferences

Financial support up to:

**£500** for a half-day meeting

**£1,000** for a full-day meeting

**£1,000** for the first day of a multi-day conference and **£500** for each subsequent day.

Up to 150% of these amounts (in total) can be provided if shared amongst more than one IOP Group.

Meetings can be on **any HEPP area** but should be of **interest to the community at large**, bringing together experts and non-experts from different areas of the field.

# Supported 2023 – A selection

# IOP Institute of Physics High Energy Particle Physics Group

IOP Institute of Physics About Strategy Policy Education Membership Physics community Careers Explore physics

Events > Advancing Radiobiology Technology

## Advancing Radiobiology Technology

IOP Institute of Physics

FPF Forward Physics Facility

FPF UK Meeting

## Fast Machine Learning for Science

Real-time and accelerated ML for fundamental sciences

Imperial College London

25-28 September 2023

**Scientific Committee**  
 Thor Arvenel (ETH Zurich)  
 Javier Duarte (LCSIS)  
 Phil Harris (MIT)  
 Ben Holman (Fermilab)  
 Scott Hovak (U. Washington)  
 Shih-Chieh Hsu (U. Washington)  
 Sergej Indarjono (Fermilab)  
 Mia Liu (Purdue University)  
 Allison McCann O'Brien (Southern Methodist University)  
 Mark Neubauer (U. Illinois Urbana-Champaign)  
 Jennifer Ngudjalu (Fermilab)  
 Maurizio Pierini (CERN)  
 Smit Sumner (CERN)  
 Alex Tapper (Imperial College)  
 Nhan Tran (Fermilab)

**Organising Committee**  
 Susha Auluck  
 Robert Baskinridge  
 David Colling  
 Patrick Dunne  
 Wayne Luk  
 Andrew Ross  
 Smit Sumner (co-chair)  
 Alex Tapper (co-chair)  
 Yash Ushida  
 Ioanna Xioida

indi.to/fastml23  
fastmachinelearning.org



YTF 23  
 This Party is a Theoretical Physicist  
 Only in Durham December 14-15

IOP Institute of Physics High Energy Particle Physics Group  
 IOP Mathematical and Theoretical Physics  
 IOP Early Career Members  
 IOP Fundamental Physics UK Virtual Centre

Amplitudes - Astroparticle - Cosmology - Flavour - SUSY - BSM  
 Holography - Lattice QCD - Phenomenology - QCD - Gravity  
 Non-Perturbative QFT - String Theory - Machine Learning



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



Exotic Hadron Spectroscopy 2023

# Internal (“Half-Day”) Events 2023 Budget: £4,600<sup>†</sup>

Event	Location	Cost (GBP)
UK QFT XI	U. Cambridge	600
Exotic Hadron Spectroscopy 2023	IPPP, Durham U.	750
UK Town-Hall Meeting on Future Collider Prospects	U. Birmingham	152.50
Advancing Radiation Biology	IOP, London	500
UK QFT XII	IOP, London	750
IOP Joint APP and HEPP Annual Conference	King’s College London	1,000
Forward Physics Facility	U. Liverpool	500
<b>Unallocated budget</b>		<b>347.50</b>

<sup>†</sup> Includes £600 brought forward from 2022 for UK QFT XI.

# External (Conferences) Events 2023 Budget: £3,500

Event	Location	Cost (GBP)
FCC Week	London	1,000
Fast Machine Learning for Science	Imperial College London	750
NuPhys2023	King's College London	1,000
YTF23	IPPP, Durham U.	750
<b>Unallocated budget</b>		<b>0</b>

Events Budget 2024:  
£4,100 (internal); £3,500 (external)

Event	Location	In/External
Direct search for a proton EDM	TBC	Internal
12th Beam Telescopes and Test Beams Workshop (BTTB)	U. Edinburgh	External
Lattice	U. Liverpool	External
....	...	...

Please get in touch: [peter.millington@anchester.ac.uk](mailto:peter.millington@anchester.ac.uk)

# Communications

Alka

Liverpool University

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- Please complete the social media survey
- Twitter <https://twitter.com/iophepp>. Please follow if you are on twitter.
- For other social media use #IopAppHeppNp2024
- Facebook <https://www.facebook.com/IOPHEPP/>
- Please send Newsletter items to [Vincent.Smith@bristol.ac.uk](mailto:Vincent.Smith@bristol.ac.uk)

Joint APP, HEPP and NP  
Conference



Thanks for listening!

Thanks to Liverpool

See you in Cambridge!



Contact: Tracey Berry

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