



THE UNIVERSITY
of EDINBURGH



STFC Experimental HEP Summer School 2006

Co-Directors: Yanyan Gao, William Barter (UoE)

Local Director: Daniel Maitre (DU)

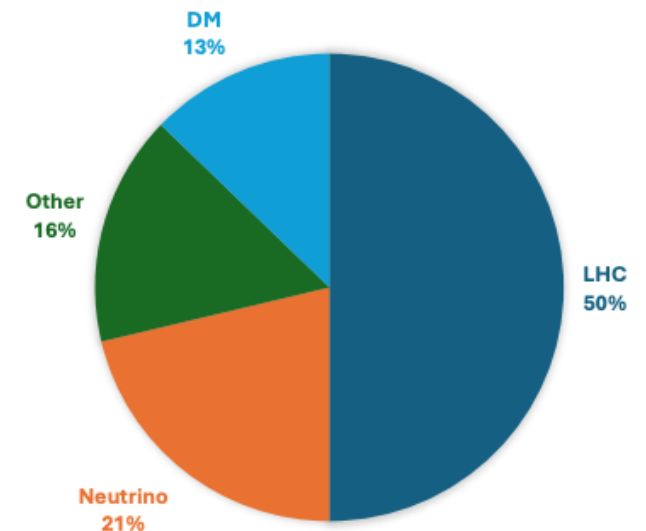
7/9/2026

Who we are



Welcome

- Welcome to the 55th edition of the STFC Experimental HEP Summer School.
- Attended by ~all UK experimental particle physics PhD students in their first year.
- Main goals:
 - Provide theoretical underpinnings of PPE research.
 - Note: we do not lecture on specific topics that are close to measurements; we do not lecture on detector technology.
 - Build a cohort of students with broad physics interests.
 - Do attend the poster sessions to see the breadth of your work.



Academic Programme

- Six lecture series:
 - Week 1: QFT, QED and QCD, Dark Matter and Cosmology
 - Week 2: Standard Model, Collider Phenomenology, Neutrinos
- Tutorials:
 - Every day in the afternoon.
 - Lecturers will tell you which problems to focus on.
 - Difficulty varies between problems, courses, day-to-day.
 - We do not expect you to complete everything within the self-study time.
 - We do expect you to read through each question before the tutorials.
 - Do work together in large/small groups.
 - Tutorial groups change after week 1.
 - Groups are uploaded on the indico and available at the front.

Academic Programme

- Posters:
 - Four sessions (Tuesday 8th, Thursday 10th, Monday 14th, Wednesday 16th)
 - Do attend the poster sessions to see the breadth of work.
- Beyond physics:
 - EDI and Outreach Talk, and Career panel, both scheduled for Thursday 17th.
- Groupings for Posters and Tutorials:
 - Will be shared via the school indico page:
<https://conference.ippp.dur.ac.uk/event/1563/overview>

Social Events

- Arrival Reception – yesterday
- Poster Sessions – 4 sessions
- Formal School dinner – Thursday 17th (last evening)
 - No dress code
- We encourage ‘spontaneity’ – let us know if you want help organising anything.
- Mid-school weekend break: no scheduled events on Saturday or Sunday. Breakfast and dinner are provided, but not lunch.

Code of Conduct

- Details: <https://conference.ippp.dur.ac.uk/event/1563/page/301-code-of-conduct>
- We value the participation of everyone and want everyone to enjoy the school.
 - We expect all students/staff to show respect and courtesy to other attendees in the school.
- Expected behaviour of participants at the Summer School:
 - Be on time for every session.
 - Phones should be on silent during sessions.
 - Behave professionally.
 - Communication should be appropriate: e.g. sexual language, sexist, racist or exclusionary statements and images are not appropriate.
 - Drunken or disruptive behaviour are not tolerated. Use of illegal drugs is strictly prohibited.
 - Any concerns – please bring them to the director team, who will take appropriate action.

Travel Claims

- STFC-funded and self-funded students can claim travel costs and additional meals:
 - Forms can be found on the school indico page.
 - Keep dated and itemised receipts.
 - Submit the claim after the end of the school.
 - Contact: studentships@stfc.ac.uk
- All other students need to claim through their home institution.
- If you are unsure which category you are in, ask your supervisor.

Contacts

- Main contacts:
 - Yanyan Gao yanyan.gao@ed.ac.uk
 - William Barter william.barter@ed.ac.uk
 - Daniel Maitre daniel.maitre@durham.ac.uk
- In emergency please contact the Durham University security team (and 999 as appropriate).
- For college and catering, you can also approach the college porter.