Before we start ...

Please complete the short **pre**-masterclass survey



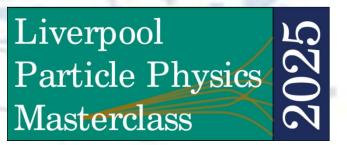
https://app.onlinesurveys.jisc.ac.uk/s/liverpool/particle-physics-masterclass-pre-questionnaire

Welcome

Carl Gwilliam and Saskia Charity

12th March 2025 Particle Physics Masterclass



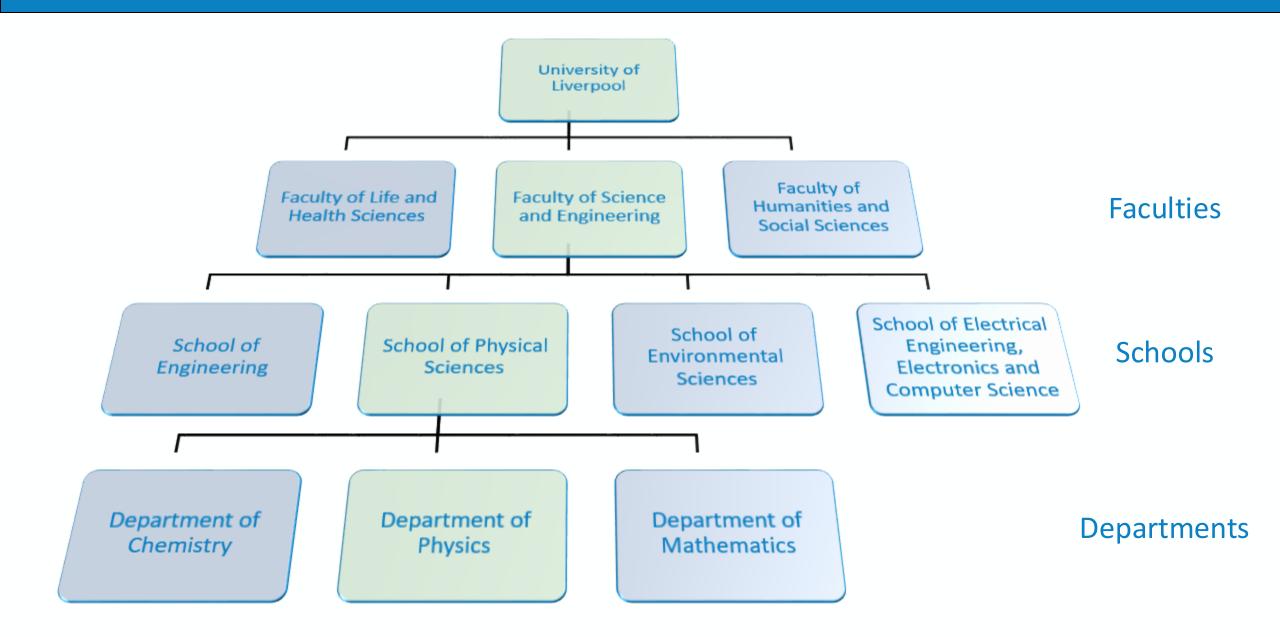


University of Liverpool

- Large research-orientated Russell group university
 - ≈ 25,000 students enrolled
- Since 1881, we've been at the forefront of world-class research and education
 - Rated in the world's top 1% of higher education research institutions.
 - Known for our cutting-edge facilities and relentless pursuit of excellence and achievement



Science and Engineering



Department of Physics

- We are one of the best physics departments in the UK.
 - Ranked in the top 200 physics departments across the world
 - · Collaborating with leading institutes and laboratories around the world





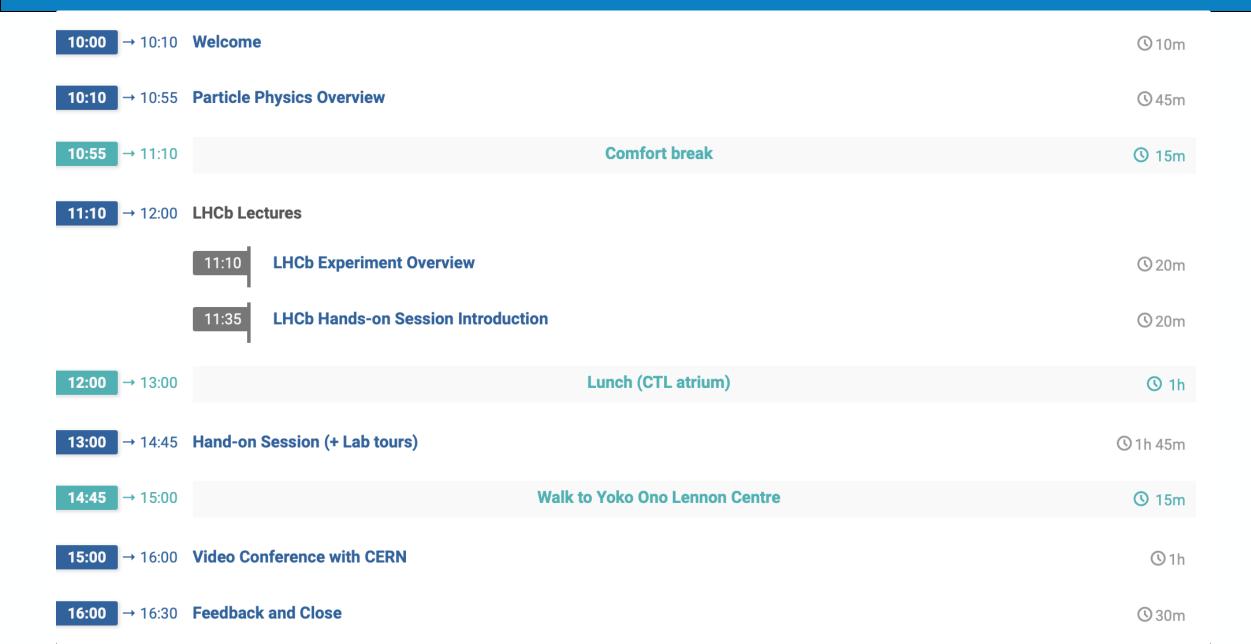
Physics Education Research

Accelerator Physics

Nuclear Physics Condensed Matter Physics Particle Physics

- Be a particle physicist for the day!
 - Today is about getting a taste of what it is like to do real physics research
 - In one of the largest particle physics groups in the country

Schedule



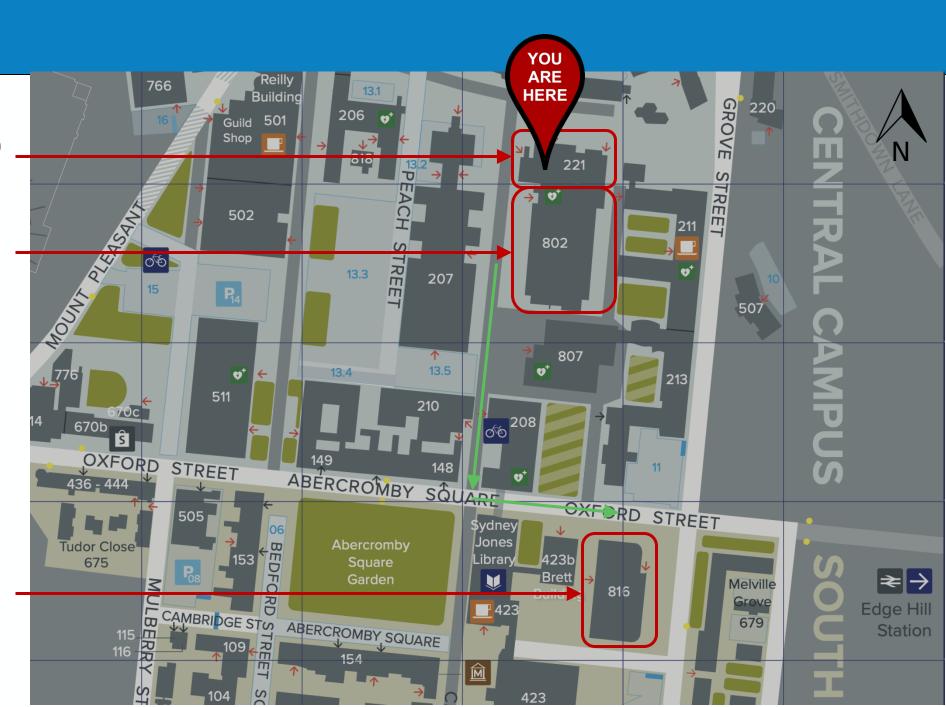
Venues,

- Lectures (AM)
 - Central Teaching Hub
 - Lecture Theatre B
- Hands-on (PM)
 - Central Teaching Lab
 - PC Teaching Suite



- Video Conference (PM)
 - Yoko Ono Centre
 - Lecture Theatre 1

Escorted back to CTL for busses



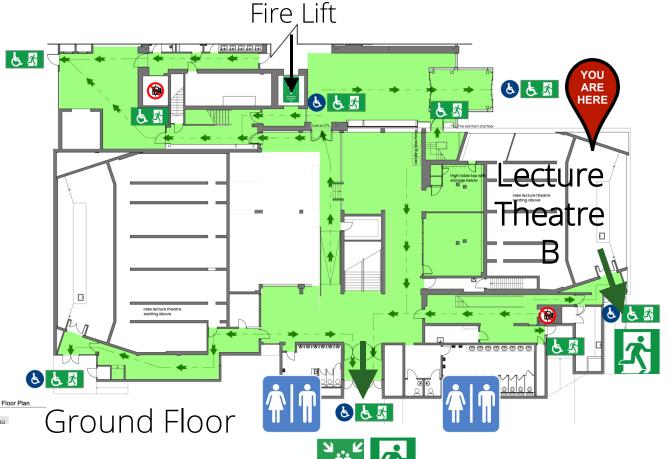
Safety

- Follow instructions from the demonstrators
 - At all times
- Do not take bags or coats into the PC class or labs
 - Leave them in the lockers provided at lunch
 - Collect them before we go to the video conference
- In case a fire alarm sounds
 - Stop what you are doing immediately
 - Exit through the nearest exit
 - Once outside, wait at the assembly points
- If you have questions at any point
 - Please ask a member of UoL staff
- Building specific details on subsequent slides ...



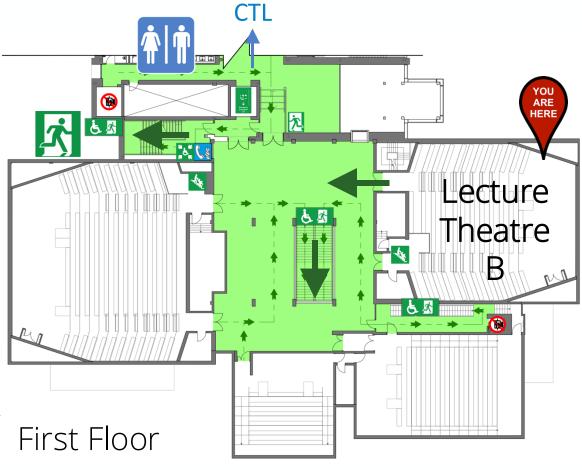
Central Teaching Hub (CTH)

- Emergency Exit
 - Exit through front of lecture theatre or via back and then out downstairs via main entrance or CTL
 - Assembly point is outside main entrance



Toilets

- Downstairs, either side of main entrance
- This floor just through into CTL



Central Teaching Lab (CTL)

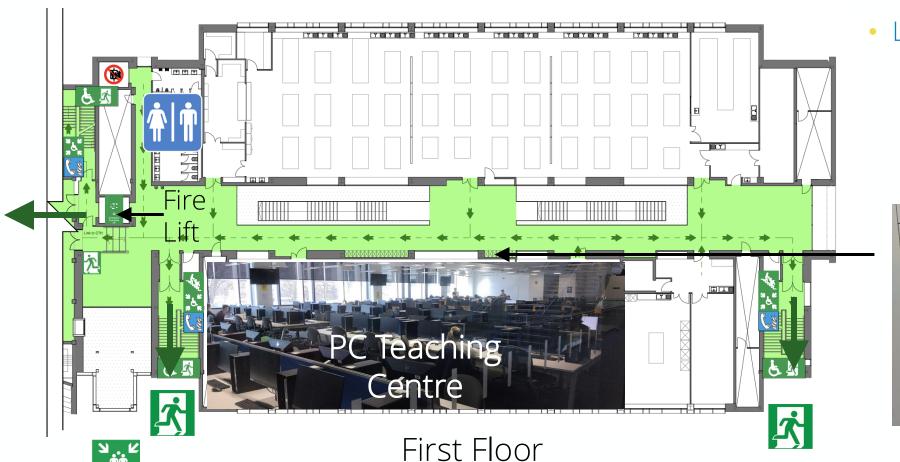
Emergency Exit

CTH

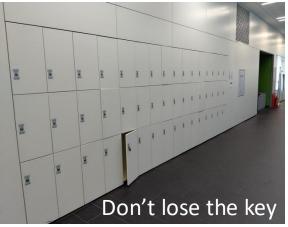
- Exit through stairs either end and out corresponding exit or through to CTH
- Assembly point is outside main entrance

Toilets

Opposite, by the lift and across from the stairs



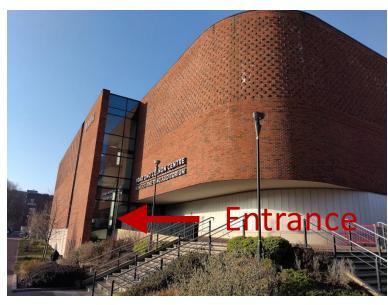
- Lockers (≈100)
 - Place your bags & coats in lockers before lunch until after PC session
 - Will need to share



Yoko Ono Lennon Centre (YOLC)

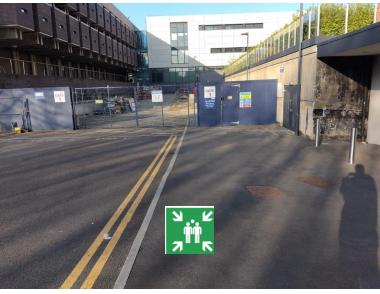
- Emergency exits
 - Front of lecture theatre
 - Back of lecture theatre and directly right
 - Assembly point round back of building
- Toilets
 - Directly outside lecture theatre











Code of Conduct

- We will not accept behaviour which is unkind, upsetting or excludes any person or group of people.
 - If what you're doing is making someone feel uncomfortable, that is enough reason to stop doing it.
- During the Masterclass you should:
 - Be kind, respectful and inclusive to everyone
 - Listen and respect each other's views and ideas
 - Use welcoming and inclusive language
 - Treat everyone equally



- Everyone has a responsibility to help keep Masterclasses safe for all. This means:
 - Don't take and share pictures, video or audio which includes students from other schools or colleges
 - Adults should not share personal contact details with students under 18 (or vice versa) or connect with them on social media.
 - If something needs to be shared this should go via the Masterclass organisers