

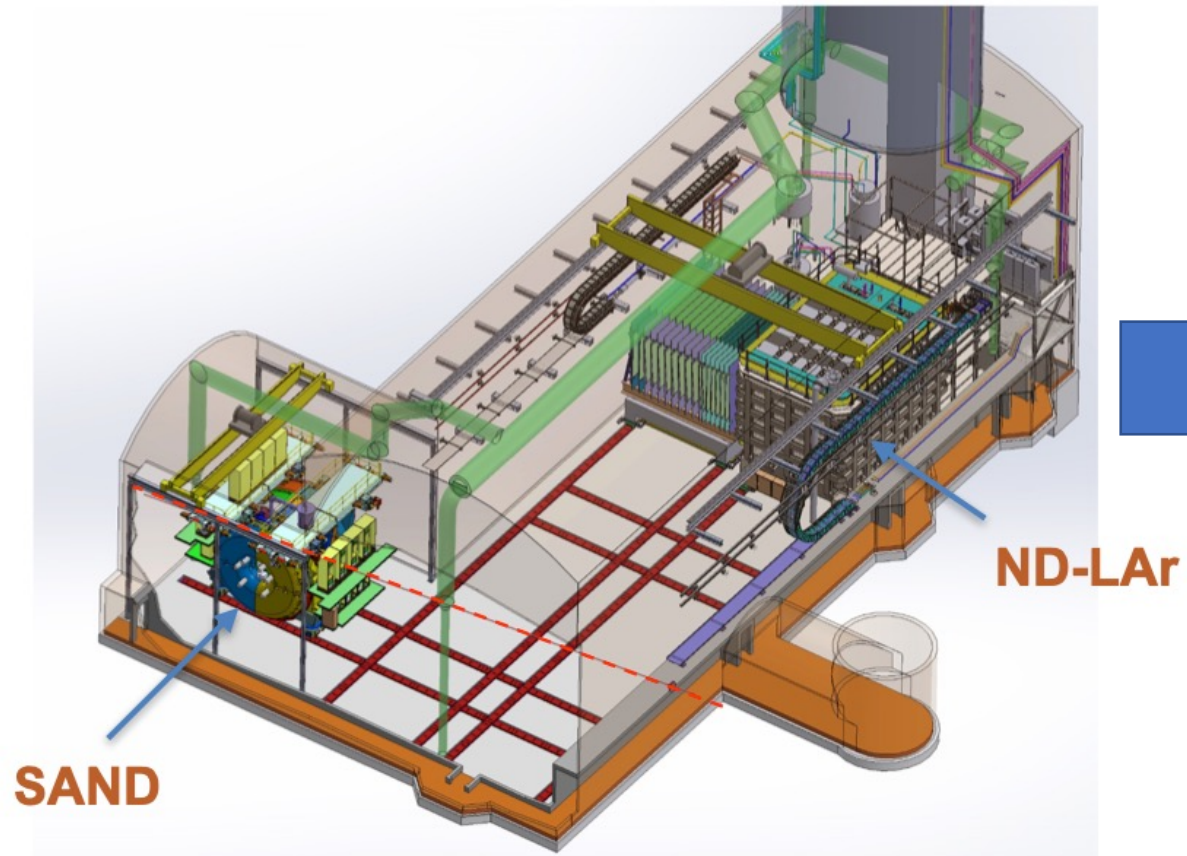
ND Phase II Workshop Imperial College London 20th-22nd June 2023

Patrick Dunne for the ND Phase II Workshop Organising Committee

Register at: <https://indico.fnal.gov/event/58795/>

Workshop Purpose

- Collect DUNE and community views on what our phase II ND should be able to do and how it should do it



Workshop Structure

- Planning 3 sets of talks plus open discussion sessions:

Physics overview and goals

- LBL
- BSM
- Xsec

Detector systems

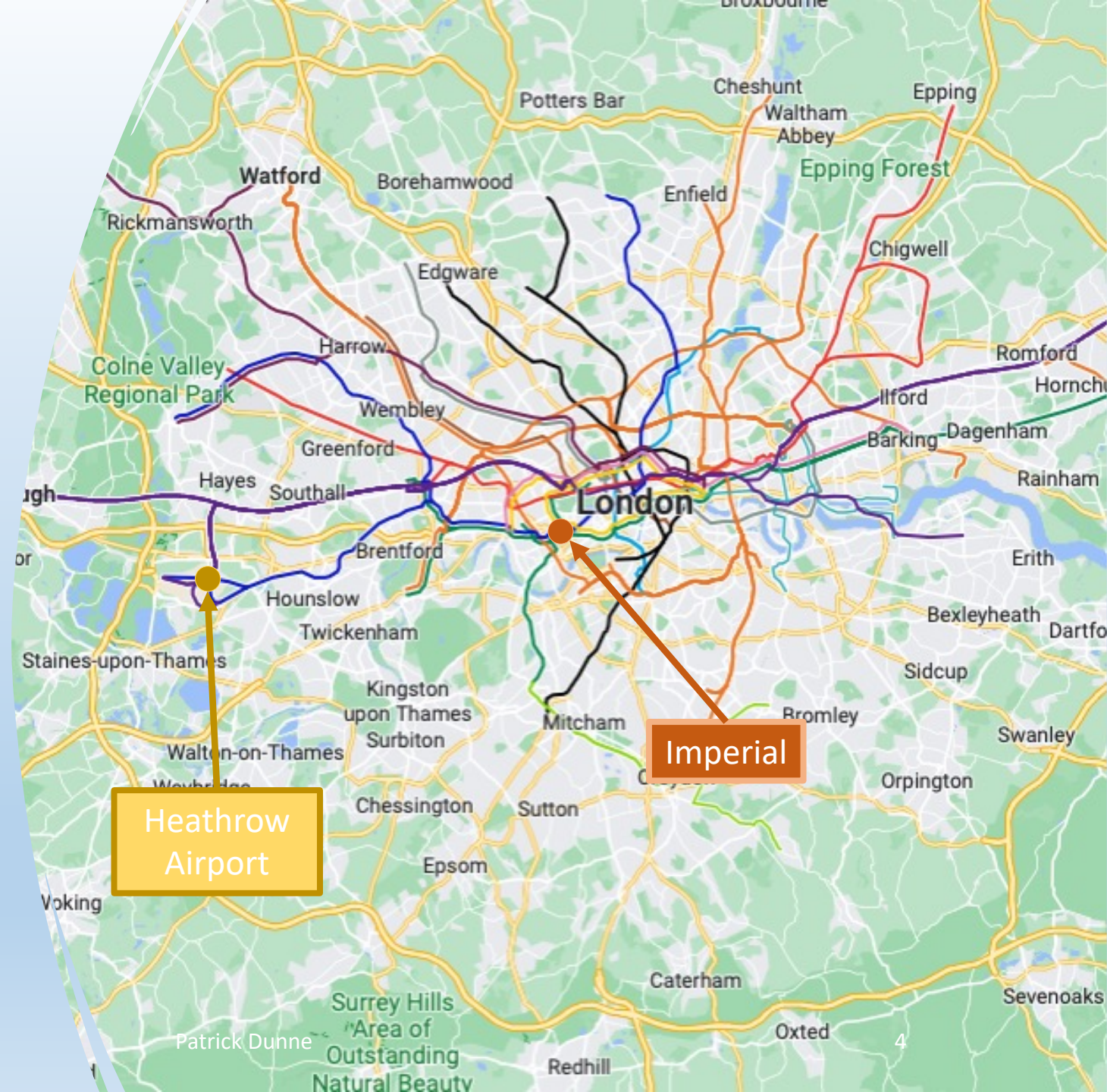
- Gaseous argon detector progress
- ND-LAr and SAND upgrades

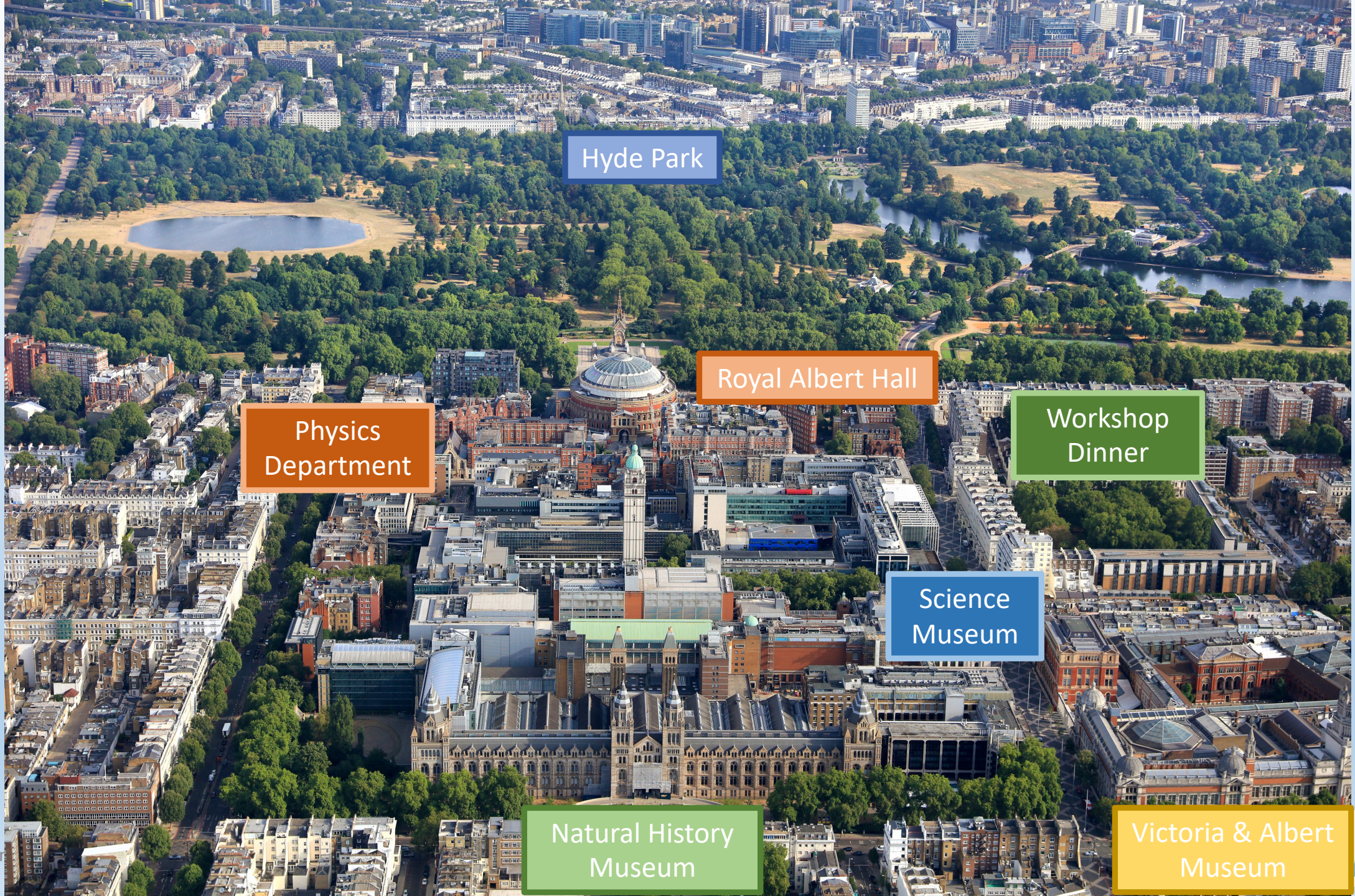
R&D and community ideas

- Longer-term R&D that we need/may impact us
- Community ideas that don't fit above

Imperial College London

- ~1 hour from airport in centre of museum district
- Well priced hotels nearby
- Good public transport links to cheaper accommodation
- All workshop venues within walking distance





Hyde Park

Royal Albert Hall

Physics Department

Workshop Dinner

Science Museum

Natural History Museum

Victoria & Albert Museum



Imperial College London

- We have booked newly refurbished discussion rooms for 100 people
- Department has a long history of particle physics:
 - Abdus Salam
 - Tom Kibble



Imperial College London

- Registration fee will be £50
- Includes coffee breaks and workshop dinner



Summary

- Phase II ND workshop will be at Imperial College London (20-22 June)
- Collecting views from DUNE and wider community to scope our phase II activities
- Expecting discussion of both gaseous argon and ND-LAr+SAND upgrades
- We need to be physics program driven so we also want theory community input
- Wide attendance is crucial to success so please register now

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Phase II ND Workshop

20–22 Jun 2023
Europe/London timezone

Enter your search term

- Overview
- Call for Abstracts
- Timetable
- Registration
- Participant List
- Fee Payment
- Invitation Letter
- Logistics

Contact
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The DUNE Collaboration invites the broader particle physics community to participate in an in-person only OPEN WORKSHOP (DUNE collaboration membership not required) to explore options for expanded physics opportunities and novel detector technologies for DUNE's Phase II near detector. The meeting will address how to deliver DUNE's primary long-baseline physics programme and how to broaden the physics scope of the experiment (e.g., in physics scenarios beyond the standard model). We encourage participation by the theory community to further develop the physics case for the DUNE near detector.

New technology challenges will arise from the higher beam power anticipated for Phase II and the need to reduce systematic uncertainties for the oscillation measurements. The meeting will cover all major aspects of the Phase II near detector technology, including proposals for improvements to the existing detector and the addition of more capable detectors, such as a gaseous argon Time Projection Chamber (NDGAR).

The programme will comprise invited talks, contributed talks, and discussion time. Information about abstract submission will be added soon.

Starts 20 Jun 2023, 08:00
Ends 22 Jun 2023, 17:00
Europe/London

Imperial College London

List of hotels in the local area

The call for abstracts is open
You can submit an abstract for reviewing. [Submit new abstract](#)

Registration
You are registered for this event. [See details >](#)

Backup