

International Masterclass of Particle Physics

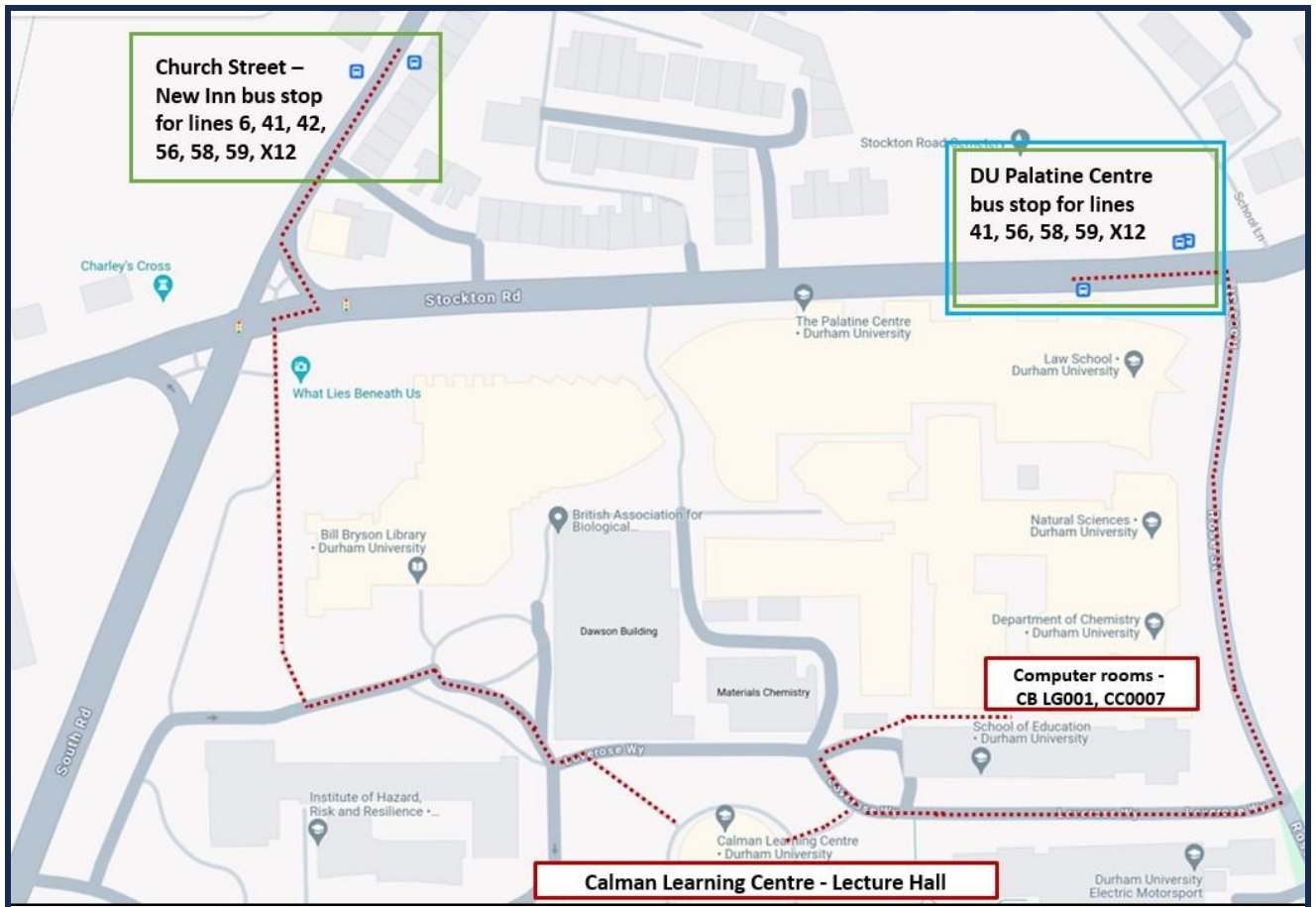
22nd March 2024

At Durham
University

Organized by the
Institute for
Particle Physics
Phenomenology



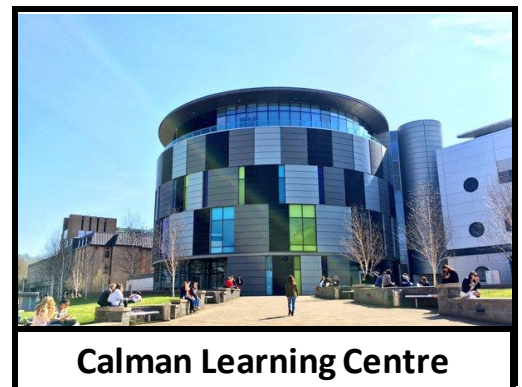
Maps



Green: public bus stop

Blue: private bus stop
(suggested)

Red: Masterclass spaces



Schedule

M O R N I N G

CALMAN LEARNING
CENTRE (CLC)

___ 09:00 ___ Registration and Welcoming

___ 09:45 ___ Introductory Lectures

What is the Universe made of?

by Dr J. Turner

Why Neutrinos matter

by Dr Y. Perez-Gonzalez

Neutrino Detection

by Dr A. Masouminia

c o f f e e b r e a k

Intro to Arachne

by J. Franklin

___ 11:40 ___

LUNCH

**CALMAN LEARNING
CENTRE (CLC) - Café**

___11:45 ___ Lunch pause

**Packed lunch
offered by IPPP**

note: student with special dietary requirements will find their lunch on a separate, dedicated table.

**It's an opportunity to
meet students from other
schools and
to engage with
IPPP lecturers and tutors!**

___12:45 ___ Transfer to Computer rooms

AFTERNOON

CC 0007 & CB-LG001

___13:00 ___ Hands-on experience

MINERvA data analysis
with Arachne software

How to login:

a) *Use DU credentials written
on your badge*

b) *If (a) doesn't work, access
"Cloud Wifi" with your smartphone.
Use these temporary credentials
to log into the computer.*

___15.00 ___ Moving back to Calman Learning Centre

AFTERNOON

**CALMAN LEARNING
CENTRE (CLC)**

___15:15___ Videoconference with Fermilab

**Sharing results with
MINERvA physicists**

*A chance to share ideas and
impressions with the actual scientists
that run the MINERvA experiment.*

___16.00___ Farewell

*with delivery
of participation certificate*