

Session Program

Sep 6 - 9, 2022

**UK-Latin America School on DUNE physics
and Analysis Software**

LArSoft school

Tue, September 6

2:00 PM

LArSoft school: Introductory Lectures

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556> | **Convener:** Dominic Brailsford

2:00 - 2:05 PM **Welcome**

Speaker
Andrzej Szalc

2:05 - 2:45 PM **Introduction to DUNE**

Speaker
Prof. Stefan Soldner-Rembold

2:45 - 3:00 PM **ProtoDUNE installation**

Speaker
Anyssa Navrer-Agasson

3:00 - 3:40 PM **Physics of LArTPCs**

Speaker
Dr Nicola McConkey

3:40 - 4:00 PM **BREAK**

4:00 - 4:30 PM **Recent Results from ProtoDuNE**

Speaker
Leigh Whitehead

4:30 - 5:00 PM **Overview of SBN programme**

5:00 PM

Wed, September 7

9:00 AM

LArSoft school: Fermilab Computing

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556> | **Convener:** Andrzej Szelc

9:00 - 10:00 AM

Introduction to Fermilab computing

Speaker

Miquel Nebot Guinot

10:00 - 10:10 AM

BREAK

10:10 - 11:55 AM

Setting up your workspace

Speaker

Miquel Nebot Guinot

12:00 PM

1:00 PM

LArSoft school: LArSoft Simulation

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556> | **Convener:** Dominic Brailsford

1:00 - 2:00 PM

Simulation lecture

Speaker

Dr Anyssa Navrer-Agasson

2:00 - 5:00 PM

Simulation tutorial

Speaker

Anyssa Navrer-Agasson

3:00 - 3:15 PM

BREAK

5:00 PM

Thu, September 8

9:00 AM

LArSoft school: Deep Learning and Reco

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556> | **Convener:** Andrzej Szlc

9:00 - 11:00 AM **Deep learning lecture and tutorial**

Speaker

Dr Leigh Whitehead

11:00 - 11:15 AM **BREAK**

11:15 - 11:45 AM **Introduction to Pandora lecture**

Speakers

Andy Chappell, Dominic Brailsford

11:45 AM

12:45 PM

LArSoft school: Reconstruction

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556> | **Convener:** Dominic Brailsford

12:45 - 1:45 PM **Running the reconstruction tutorial**

1:45 - 2:25 PM **Visualise the Pandora inputs tutorial**

2:25 - 2:40 PM **BREAK**

2:40 - 3:10 PM **Overview of Pandora's algorithms lecture**

3:10 - 3:55 PM **Visualise the algorithms results tutorial**

3:55 - 4:15 PM **Pandora outputs lecture**

4:15 PM

4:15 PM

LArSoft school: Scintillation Light

Session | **Location:** Fylde C17, <https://www.lancaster.ac.uk/iss/rooms/rooms-template.php?15556>

4:15 - 5:00 PM **Scintillation photons lecture**

Speaker

Andrzej Szlc

5:15 PM

Fri, September 9

9:00 AM

LArSoft school: Scintillation and Analysis

Session | **Location:** University of Lancaster, Lancaster, UK

9:00 - 10:50 AM **Scintillation photons tutorial**

Speaker

Andrzej Szalc

10:50 - 11:00 AM **Break**

11:00 AM - 12:30 PM **Writing a LArSoft analyzer**

Speaker

Dr Rhiannon Jones

12:30 PM

1:30 PM

LArSoft school: Analysis

Session | **Location:** University of Lancaster, Lancaster, UK | **Convener:** Niam Patel

1:30 - 2:45 PM

Using your analyser for analysis (All material for this tutorial is included in the previous analyser tutorial)

Speaker

Dr Rhiannon Jones

2:45 - 3:05 PM **Break**

3:05 - 4:35 PM **Using your analysis for analysis tutorial (continued)**

Speaker

Dr Rhiannon Jones

4:35 - 4:50 PM **Closeout**

Speakers

Andrzej Szalc, Dominic Brailsford

5:00 PM