Session Program

26–29 Oct 2026

11th UK LArTPC Software and Analysis Workshop

LArSoft school

James Clerk Maxwell Building
King's Buildings campus University of Edinburgh, Edinburgh, UK

Monday 26 October

13:35

LArSoft school: Fermilab Computing

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

13:35–14:35 **Introduction to Fermilab computing**

Speaker
Miquel Nebot Guinot

14:35–16:30 **Setting up your workspace**

Speaker
Lucy Kotsiopoulou

15:00–15:15 **Break**

16:30

16:30

LArSoft school: LArSoft Simulation

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

16:30–17:30 **Simulation lecture**

Speaker
Adam Lister

17:30

Tuesday 27 October

09:00

LArSoft school: LArSoft school: TPC simulation

Session | **Location:** James Clerk Maxwell Building , King's Buildings campus University of Edinburgh, Edinburgh, UK

09:00–12:00 **Simulation tutorial**

Speaker
Magnus Handley

09:50–10:05 **Coffee break**

12:00

13:00

LArSoft school: Scintillation Light

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

13:00–13:50 **Scintillation photons lecture**

Speaker
Patrick Green

13:50–16:00 **Scintillation photons tutorial**

Speaker
Vincent Basque

15:00–15:15 **Break**

16:00

16:00

LArSoft school: Reconstruction

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

16:00–16:30 **Introduction to Pandora lecture**

Speaker
Andy Chappell

16:30–17:10 **Running the reconstruction tutorial**

Speakers
Alex Wilkinson, Andy Chappell

17:10

Wednesday 28 October

09:00

LArSoft school: LArSoft school: TPC reconstruction with Pandora

Session | **Location:** James Clerk Maxwell Building , King's Buildings campus University of Edinburgh, Edinburgh, UK

09:00–09:40 **Overview of Pandora's algorithms lecture**

Speaker
Andy Chappell

09:40–12:00 **Developing reconstruction algorithms**

Speakers
Alex Wilkinson, Andy Chappell

10:30–10:45 **Coffee break**

12:00

13:00

LArSoft school: Analysis

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

13:00–14:30 **Writing a LArSoft analyzer**

Speakers
Anna Beever, Isobel Mawby

14:30–14:45 **Break**

14:45–17:00

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

Speakers
Anna Beever, Isobel Mawby

17:00

Thursday 29 October

09:00

LArSoft school: LArSoft School: Analysis

Session | **Location:** James Clerk Maxwell Building , King's Buildings campus University of Edinburgh, Edinburgh, UK

09:00–10:15 **LArSoft analysis**

Speakers
Anna Beever, Isobel Mawby

10:15

10:15

LArSoft school: LArSoft School: CAF lecture and mini tutorial

Session | **Location:** James Clerk Maxwell Building , King's Buildings campus University of Edinburgh, Edinburgh, UK

10:15–12:00 **Lecture and mini-tutorial: CAF**

Speaker
THOMAS JONES

10:30–10:45 **Coffee break**

12:00

13:00

LArSoft school: Deep Learning

Session | **Location:** James Clerk Maxwell Building, JCMB 3208

13:00–13:30 **Lecture: Introduction to deep learning for LArTPCs**

Speaker
Leigh Whitehead

13:30–16:25

Tutorial: Classifying Neutrino Interactions with MLPs, CNNs and Transformer Encoders

Speaker
Leigh Whitehead

14:30–14:45 **BREAK**

16:25