Session Program

28-31 Oct 2024

9th UK LArTPC Software and Analysis Workshop

LArSoft school

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

Monday 28 October

09:35

LArSoft school: Fermilab Computing
Session | **Location:** James Clerk Maxwell Building, JCMB 3208

09:35–10:35 **Introduction to Fermilab computing**

Speaker
Miquel Nebot Guinot

10:35–10:45 **Break**

10:45–12:30 **Setting up your workspace**

Speaker
Holly Parkinson

12:30

13:30

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

13:30–14:30 **Simulation lecture**

Speakers
Dr Anyssa Navrer-Agasson, Anyssa Navrer-Agasson

14:30–17:30 **Simulation tutorial**

Speaker
Mr Robert Darby

15:00–15:10 **Break**

18:00

Tuesday 29 October

09:00

LArSoft school: Scintillation Light
Session | **Location:** James Clerk Maxwell Building, JCMB 3208

| 09:00–09:50 | **Scintillation photons lecture** |

Speaker
Patrick Green

| 09:50–10:00 | **Break** |

| 10:00–12:00 | **Scintillation photons tutorial** |

Speakers
Andrzej Szelc, Patrick Green

12:00

13:00

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

| 13:00–13:30 | **Introduction to Pandora lecture** |

Speaker
Andy Chappell

| 13:30–14:20 | **Running the reconstruction tutorial** |

Speaker
Isobel Mawby

| 14:20–15:00 | **Overview of Pandora's algorithms lecture** |

Speaker
Isobel Mawby

| 15:00–15:15 | **Break** |

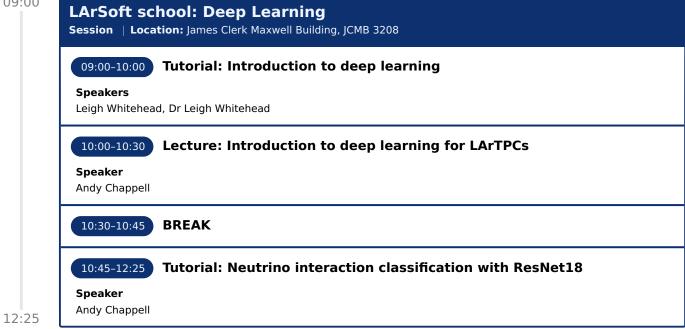| 15:15–17:00 | **Investigating the reconstruction** |

Speaker
Andy Chappell

17:15

Wednesday 30 October

09:00

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

09:00–10:30 **Writing a LArSoft analyzer**

Speakers
Mr Henry Lay, Henry Lay, Lan Nguyen

10:30–10:45 **Break**

10:45–12:00

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

Speakers
Lan Nguyen, Mr henry lay

12:00

13:00

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

13:00–16:00 **Using your analysis for analysis tutorial (continued)**

Speakers
Mr Henry Lay, Lan Nguyen

14:30–14:45 **Break**

16:00

16:00

LArSoft school: Deep Learning
Session | **Location:** James Clerk Maxwell Building, JCMB 3208

16:00–17:00 **Lecture: Introduction to deep learning**

Speakers
Leigh Whitehead, Dr Leigh Whitehead

17:00

Thursday 31 October

09:00

LArSoft school: Deep Learning
Session | **Location:** James Clerk Maxwell Building, JCMB 3208

09:00–10:00 **Tutorial: Introduction to deep learning**

Speakers
Leigh Whitehead, Dr Leigh Whitehead

10:00–10:30 **Lecture: Introduction to deep learning for LArTPCs**

Speaker
Andy Chappell

10:30–10:45 **BREAK**

10:45–12:25 **Tutorial: Neutrino interaction classification with ResNet18**

Speaker
Andy Chappell

12:25