



Welcome to 11th UK LArSoft Workshop

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Slack: #fnal-computing





Introduction

- This is the eleventh (gasp!) installment of a workshop we have been running for eleven years now to introduce students and PDRAs new to the world of LArSoft to the tips, tricks and pains of it (because, we've all been there).
- This workshop has served as a place to get to know other people working on your experiment (or other experiments that are similar).
- Many of the tutors have attended one of these in the past (we are now “self-sustaining” ;-)).
- We will teach you the basics and you can take it from there and do awesome things.
- The slides will be there in case you need to look things up later.

Obligatory


You're on ten on your guitar. Where can you go from there?
You put it at Eleven. Exactly. One louder.

Sorry about the Weather!

- Hopefully everyone made it here ok.
- Given the late start, we will try to extend the workshop to Thursday afternoon, if enough people are available.
- Let us know if you have constraints!

Structure

- The workshop consists of a mix of lectures and hands-on tutorials.
  - Typically we start with a lecture followed by a hands-on tutorial, but it can vary by topic.
- We will cover: Fermilab computing, larsoft TPC simulation, larsoft light simulation, LArTPC reconstruction with pandora, debugging tutorial, analysis with larsoft, deep learning, and CAF files.
- The output of each tutorial session should feed into the next one; We have backup files in case of trouble(i.e. you don’t complete a tutorial)

Logistics pt.1

- We will be working primarily on a remote server in Lancaster, but accessing it via a web browser [guacamole vnc service]: https://larsoft.lancs.ac.uk/

  you should have received login instructions from Dom.
- You should be on the “larsoftworkshop2026” Slack. (Holler if that’s not the case). Each lecture/tutorial will have its own dedicated slack channel for questions, e.g. #fnal_computing_and_workspace_setup
- The accounts on the https://larsoft.lancs.ac.uk/ machine will unfortunately be wiped at some point in the next few weeks. The scripts for the workshop are in github, but if you want scripts/config files you wrote – scp them yourselves sooner rather than later.
- We are assuming you have an eduroam account. Let us know if that’s not the case – we can generate some guest accounts.

Logistics pt.2

- Remote participants can type your questions during lectures/tutorials into the slack channel and the chair will ask it.
  - Lecturers/Tutors may be ok with direct questions during the lecture – they'll let you know.
- You should have received an email with the zoom link. Ping us if you don't have it.
- Questions/Problems with tutorials/software: ask Dom, Miquel or me – or just ask on Slack.

Logistics pt. 3

- All of the classes will be in this room: 3208
  - This is technically a lab, so please do not bring food and drinks into it. The Magnet cafe is just down the corridor.
- The coffee breaks and lunches will be in the magnet cafe (sort of behind the wall opposite the door ;-)).
- We will have a social dinner.
  - Location: Tuk Tuk indian restaurant (BYOB).
  - Time: Wednesday at 7:30 pm
  - We are able to pay for the food, but not for the drinks.
  - More details to follow.

Big Thanks to:

- Peter Love for setting up the computing infrastructure for us.
- Thelma and Angela from the School of Physics and Astronomy Event organization for organizing the coffee breaks, lunches and general school admin to allow us to hold the meeting.
- DUNE-UK RS&DC for financial support.
- Vincent, William, Lucy and others for their help on the ground here.

Lucy's slide

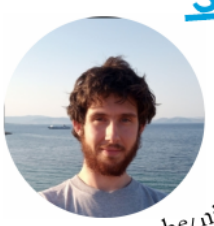
Early career groups in SBN/DUNE/MicroBooNE!

We are the representatives of the Early Career community!

- Come to us for:
  - support during your career
  - ideas for activities/events/stuff that make PhDs better and more fun
  - concerns you don't know what to do about (anything, really!)
  - representation in the Institutional Board* (**IB**) meetings and decisions

*__The IB__ is comprised of one academic per institution on the Collaboration and meets a few times a year to discuss and vote on important matters. You IB representative is allowed one vote, speaking for the early career community

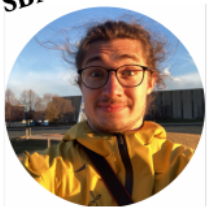
SBN Young



John Plows, he/him
SBNY President



Harry Haunser, he/him
SBN IB Rep



Mattia Sotgia, he/him
ICARUS IB Rep



Lucy Kotsiopoulou, she/her
SBND IB Rep

Young DUNE



Tyler D. Stokes, he/him
Spokesperson liaison



Liban Warsame
IB Rep

Spokespersons Advisory Committee



Eva Sabater, she/her

Adil Hussain, he/him



MicroBooNE Early Careers (MEC)



Anthony Kelly, he/him
MEC Coordinator



William Wang, he/him
MEC IB Rep



Kate Pletcher, she/her
MEC Deputy Coordinator



Karan Kumar, he/him
MEC member on Physics Advisory Board

Introductions

- After I finish (in one slide) Let’s go around the room (and the zoom) and say hi. I’ll start.





Have fun and enjoy yourselves.