

# Getting started with LArSoft: a compilation of useful links

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- Before getting started, you need either a fermilab or CERN account.
- (to connect to a fermilab machine you need to set up kerberos in your computer)
- also useful to join slack, for which you need to ask Maxine for an invitation
- There is A LOT of information, a bit difficult to handle...

## What is LArSoft?

- lot's of info [here](#), such as [these slides](#) that help understand the structure and jargon
- [LArsoft website training](#) is also very complete and a good reference

One fast way of getting LArSoft in lxplus:  
follow the quick tutorial in [the twiki](#)

- You can find my setup files in  
`/afs/cern.ch/work/s/sabrinas/public/larsoft_stuff`.  
You will need to change the first line of `setup_v08_36_01.sh`
- You might ask yourself [what is mrb](#) or [how to use it](#)
- warning: it takes like 20 min to download dunetpc! so just be patient after doing `mrb g dunetpc`
- And what release to use and what those numbers mean: [release info here](#)... but **we should add to the twiki which releases are being used for what.**
- Ok, now you have larsoft and dunetpc!
- The fcl files for protoDUNE-DP are in  
`larsoft_v08_36_01/srcs/dunetpc/fcl` (replace folder name by whatever version you got)

Where to find some info:

- [LArSoft website](#): too much info but good for looking up specific stuff or jargon that you don't understand
- [Fermilab's wiki for mrb](#): what it is and basic commands
- [Fermilab wiki dunetpc tutorial](#): it wasn't basic enough for me, and for people working at fermilab.
- LArSoft Tutorial workshops:
  - [LArsoft Tutorial Workshop 2019](#): Etienne says it is more complete, but it is SBND oriented
  - [LArsoft Tutorial Workshop 2018](#): protodune oriented
  - So maybe combine [this 2018 slides](#) and [this 2019 slides](#) to try to make a first analysis

# Relevant Mailing Lists

- Website for [DUNE mailing lists](#) (subscription is done by sending an email to the list owner)
- Consider signing up to the analysis mailing list [dune-proto-sp-dra](#)
- There is also dune-reco (but we are not sure what it is)
- Also, here is the [ProtoDUNE-DP Wiki](#)