

LBNE Far Detector Simulation and Reconstruction Workshop and Hackathon



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Practical Details

- Computer access
- Concurrent LBNE meetings
- Schedule

Computer Access

- If you don't come to Fermilab frequently and have your computer registered on the main wireless network "fgz", go ahead and use the SSID="guest" network.
- Sign-in is like hotel wireless networks – a web browser will first be diverted to a sign-in page. Much more lightweight than the fgz computer registration.
- Sign-in needs to be refreshed after midnight each day.
- No limit to number of days you can use it.
- Some web sites and applications are blocked. I haven't run into any myself in testing it. "guest" is for "e-mail, web browsing, basic communication needs".

ssh, X tunnels, sftp, scp all work – should handle our workflows (Fermilab's indico site was mistakenly unavailable on guest but that's fixed now).

Problems? (630) 840-2345 (just dial x2345 from a Fermilab phone)

<https://fermi.service-now.com/>

or ask us.

Fermilab Computer Accounts

Hopefully you have Fermilab computer accounts by now!

Instructions to get a new one are at:

<https://cdcv.s.fnal.gov/redmine/projects/ifront/wiki>

We can process new account requests today as needed, and also help with batch authentication.

Interactive machines:

lbnegpvm01.fnal.gov

lbnegpvm02.fnal.gov

gpsn01.fnal.gov – use only for one-time batch authentication setup

4 cores each, 12 GB installed RAM. Swap = 2 GB (?)

Local condor cluster and Fermigrid batch resources for bigger jobs.

Batch job monitoring: <http://fifemon.fnal.gov>

We also have an SLF6 test machine and two GPU-enabled interactive nodes; talk to Tom or Eileen for accounts on these.

Concurrent LBNE Meetings

Friday, Jan 31: Just us!

FD Sim/Reco Workshop – Big Room, Building 327

<https://indico.fnal.gov/conferenceDisplay.py?confId=7871>

The agenda will be mirrored here:

<http://lbne2-docdb.fnal.gov:8080/cgi-bin/DisplayMeeting?conferenceid=872>

I'll copy presentations over as they become available. A bigger question – how much should LBNE use Indico?

- DocDB must be used for all presentations and documents (collab spokes)
- Some documents and agendas must be publicly available – non LBNE collaborators need to upload talks and travel offices need to see the agendas. Currently we do both.

Concurrent LBNE Meetings

FastMC Dan Cherdack

<http://lbne2-docdb.fnal.gov:8080/cgi-bin/DisplayMeeting?sessionId=1435>
Long Baseline Meeting Room 9:00 AM – 5:00 PM

Software and Computing workshop: May 2014 Deliverables

Maxim Potekhin and Liz Sexton-Kennedy

<https://indico.fnal.gov/conferenceDisplay.py?confId=7958>
Meeting Room TBA. 1:00 PM – 6:00 PM

<http://lbne2-docdb.fnal.gov:8080/cgi-bin/DisplayMeeting?sessionId=1424>

Supernova Kate Scholberg

<http://lbne2-docdb.fnal.gov:8080/cgi-bin/DisplayMeeting?sessionId=1424>
2:39 PM – 5:00 PM, Trailer 163-G

Workshop Schedule

Friday Morning:

Introduction

Deliverables (why are we hacking anyway?) for FD, 35t

Software tool talks:

git/mrb

Remote software installation

CVMFS

Data Handling

Friday afternoon:

Hack session – demos with shared screen

Saturday morning:

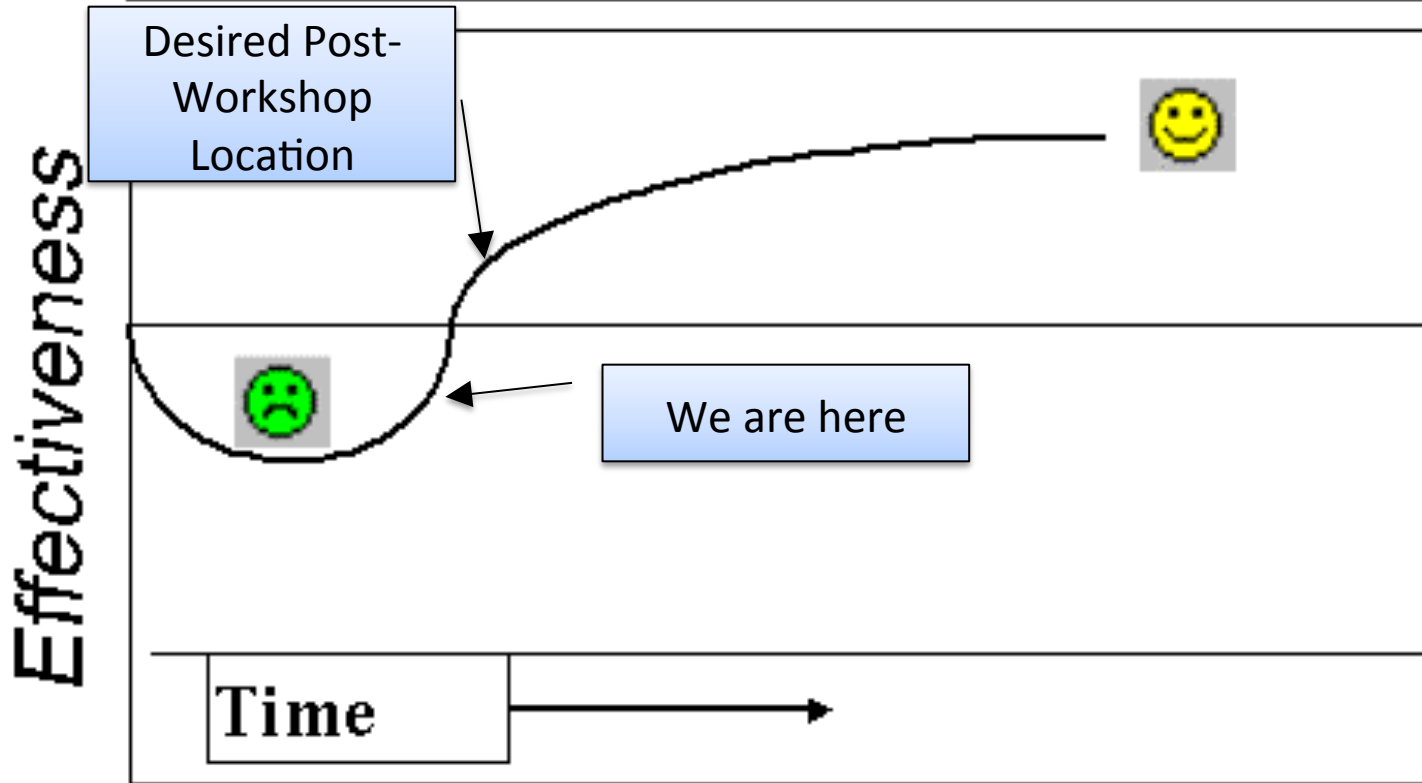
Progress Reports on simulation and reconstruction tasks

Saturday afternoon:

Shared session on low-energy simulation and reconstruction

Hack session II

The Learning Curve



Valley of Despair – Who’s dumb idea was this? I hate this. I could do it better the old way, and I can’t get my work done.



Success – How did I get along without it?