ITk DAQ Workshop
28.05.19 - 31.05.19
LBNL
Berkeley CA, USA

https://indico.physics.lbl.gov/indico/event/856/

ITk DAQ Workshop - Rooms

- Construction around 50A and 50B

ITk DAQ Workshop – Food and Coffee

- https://www.bayviewcafelbl.com/

Breakfast: 7:30 – 9:30
Lunch: 11:30 – 2:00
Espresso Bar: 6:30 – 4:00

- Coffee machine 50B 5th floor (1$ per cup)

- Dinner: *down the hill*
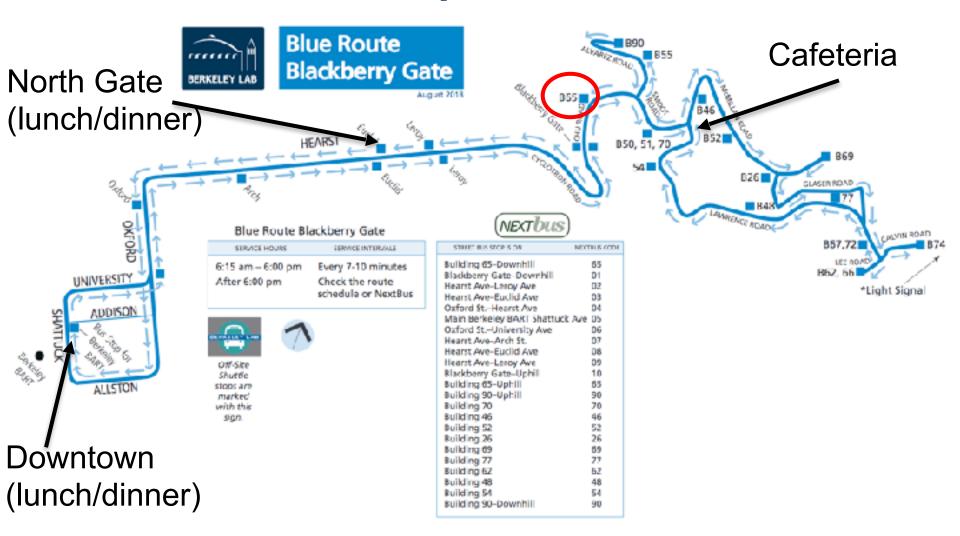
- Last shuttle uphill 9:15 pm

https://www2.lbl.gov/Workplace/Facilities/Support/Busses/off-site_blue.html

(see next slide)

ITk DAQ Workshop – Food and Coffee

North Gate
(lunch/dinner)

Downtown
(lunch/dinner)

Cafeteria

ITk DAQ Workshop – Workshop Dinner

- Thursday 30th May at 19:00

- Cash or PayPal
  timon.heim@gmail.com

until Thursday noon

- Order pizza, cake and soft drinks

- Dietary restrictions?

ITk DAQ Workshop – Daily Schedule

- **Morning session**:
  Tue 8:30 – 11:30, Wed – Fri 8:00 – 10:00

  ○ **Tue**: Introduction and Tasks Description

  ○ **Wed**: Automation and Emulator

  ○ **Thu**: JSON and DCS interface (pixel and strips)

  ○ **Fri**: Distributed yarr branch
  (suggestions welcome)

  ○ More *discussions* than talks

ITk DAQ Workshop - Rooms

- Morning sessions **50A-5132**

- Breakfast and coffee/tea in the room
  (leftovers will be moved to **50B-1237**)

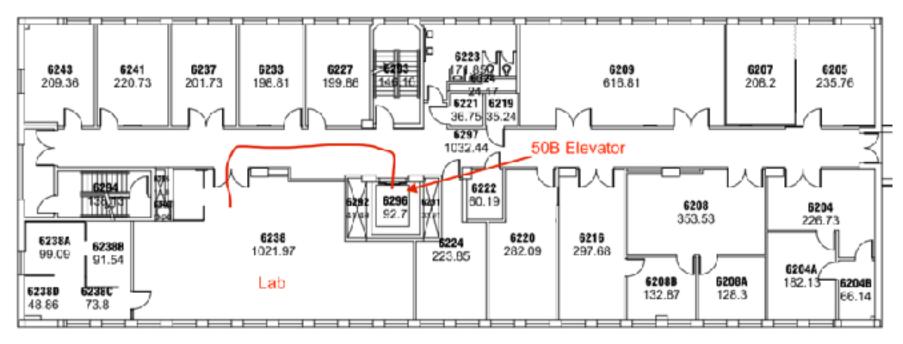*Thanks to http://bepp.berkeley.edu/ for sponsoring our coffee breaks!*

ITk DAQ Workshop – Daily Schedule

- Morning session:
  Tue 8:30 – 11:30, Wed – Fri 8:00 – 10:00

- **Lunch**: 11:45 – 12:30

- **Afternoon**: Working groups
  - Pixel QC Yarr: *Lingxin and Dima*
  - Pixel Felix: *Sasha and Laura*
  - Strips Felix: *Stefania and JJ*
  - RCE: *Zijun and Matthias*

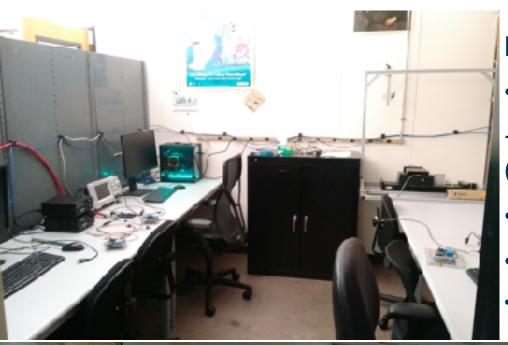- https://docs.google.com/spreadsheets/d/1c61SjRsWLbMbMS1SUSwFzS4KAHVrwTtq-kQy31oiyvc/edit?ts=5cddc690#gid=0

ITk DAQ Workshop - Rooms

- Afternoon sessions: YARR Pixel QC **50B-6238**

- *For safety reasons visitors are only allowed in the lab in 50B-6238 under supervision of an LBL affiliate.*
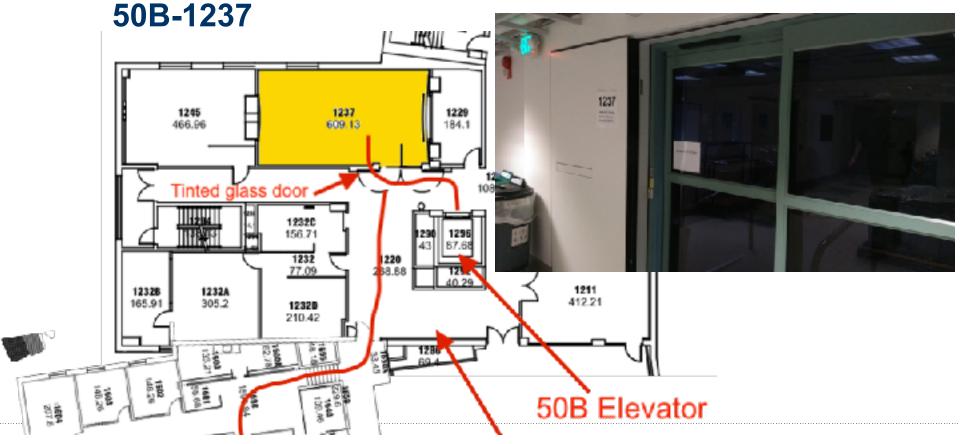
Pixel QC (Yarr) - 50B-6238

RD53A Chips:

- 6 setups

+ one remote for source scans (nilehorse)

- LDO powering 1.8 V

- Setups checked and working

- https://docs.google.com/spreadsheets/d/1c61SjRsWLbMbMS1SUSwFzS4KAHVrwTtq-

ITk DAQ Workshop - Rooms

- Afternoon sessions: Pixel and Strips Felix and RCE **50B-1237**

Pixel and Strips (Felix) & RCE - 50B-1237

- Felix setup: one PC with two cads, only one installed (strips)

- Shared between Pixels and Strips

- "Under construction"

- Karol is working on fw implementation for PCIe

- RCE: Separate table (setup hopefully arrived)

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- **Wrap Up**:
  Tue – Thu 17:30– 18:00 in 50B-1237
  (short feedback from the working group leaders)
  Friday 16:00 – 18:00 working group leaders should summarize the effort!

ITk DAQ Workshop – User Accounts

- Temporary user accounts, please change passwords after logging in

- Central filesystem (backed up), visible from all machines (*username@machine.dhcp.lbl.gov*):
  - **PCIe**: external, pigwhale, nakedsnail, birdspider, beakanimal, inkfish + nilehorse (source scans)
  - **Felix**: littleoakhorn

- After the workshop all accounts will be deleted, let us know if you want to keep some data

- If you need to install additional software, let us know

- *Run scans only when you are in front of the machine!*

- Names assigned to the user accounts: https://docs.google.com/ spreadsheets/d/1c61SjRsWLbMbMS1SUSwFzS4KAHVrwTtq-kQy31oiyvc/edit? ts=5cddc690#gid=1690642060

ITk DAQ Workshop – Miscellaneous

- WiFi: **lbnl-visitor** (no password needed), **eduroam**

- In case you need a room we can assign you a desk

- If you brought hardware label it and make sure you bring them back

- How many interested people for a *base-level tutorial*? Tue 15:00 – 17:00 in **50-5014**

- Questions?

Patio and outside meeting room

50B elevator, 3rd floor