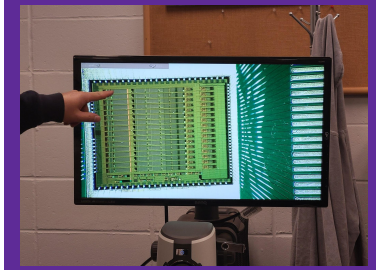
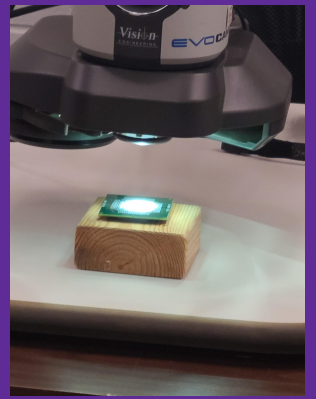
EDIT Review
Group 7

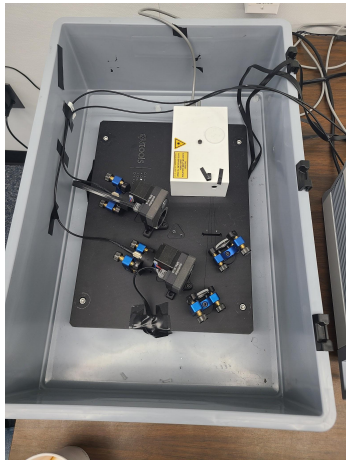
Ashley Jammel Brooks, Christopher Madrid, Gregor Eberwein, Jyothisraj Johnson, Mounia Laassiri, Siddhant Mehrotra, Yao Yao

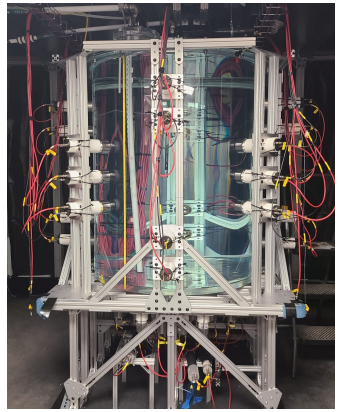


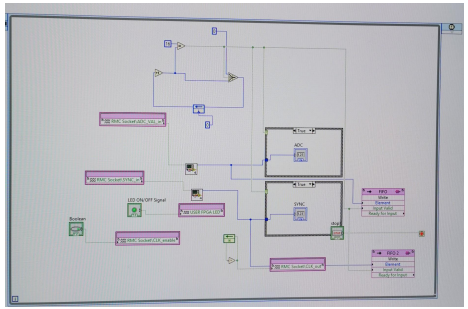


What we liked about the labs

- The group size was sufficient to allow everyone a chance to interact with the lab activities and instructors
- The labs were a good practical introduction to the variety of topics covered in the lectures
- The instructors were happy to take questions and provide in-depth explanations if asked
- Got introduced to a number of new softwares (Cadence, Labview, TCad, etc)





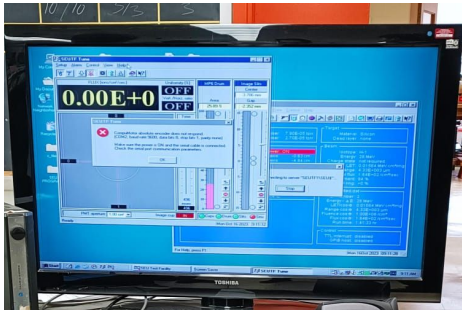


What we thought could be better for the labs

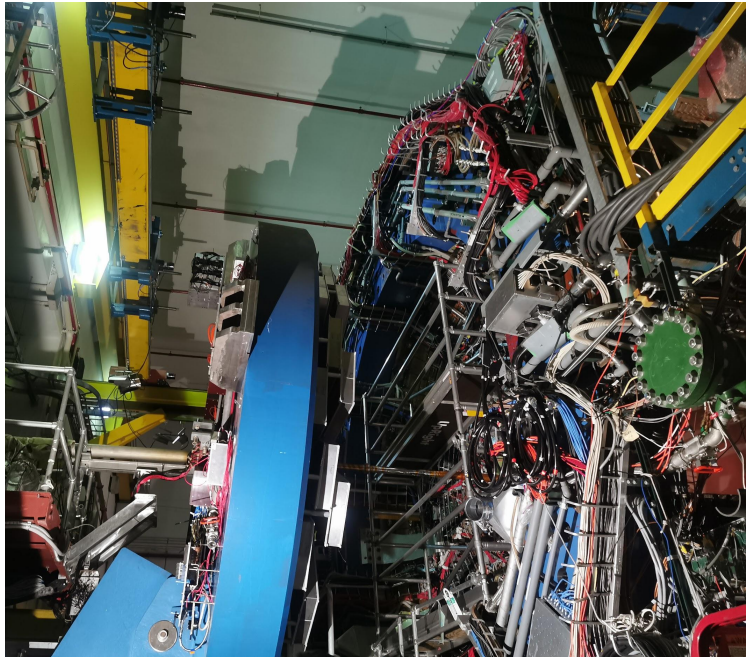
- Where were the cocktails? (liquid scintillators)
  - Some of the labs covered different activities for different groups
- There was a lot of variation in how much work each lab had you do
- Maybe require more standardization between labs
  - Worksheet, guided document, etc
  - Target block of time for all labs
  - Balance hands on work with touring/watching
  - Start with 10-15 intro lecture especially if main lecture wasn't conducted yet
- For some labs that involve data analysis, introduce the data structure first
- Less lab topics - but then spread over e.g. two days each?

Danfords and logistics

- Danfords
  - **Pros: Everybody has a chance to know each other and hang out for lunch/dinner, and the group dinner was great!**
  - Cons: Internet broke some times and was not available consistently in people's rooms, small tables in conference room for lectures
  - Earlier hotel options had kitchenettes, fitness centers, and bigger breakfast included, some rooms at Danfords didn't have tables (took a while to get them)
- Transportation
  - Troubles with bus drivers not knowing what to say at the gate
- Registration
  - Straightforward process, website was very detailed and organized
  - Timeline for guest registration at BNL was not conveyed well (too close to start date, especially for internationals)

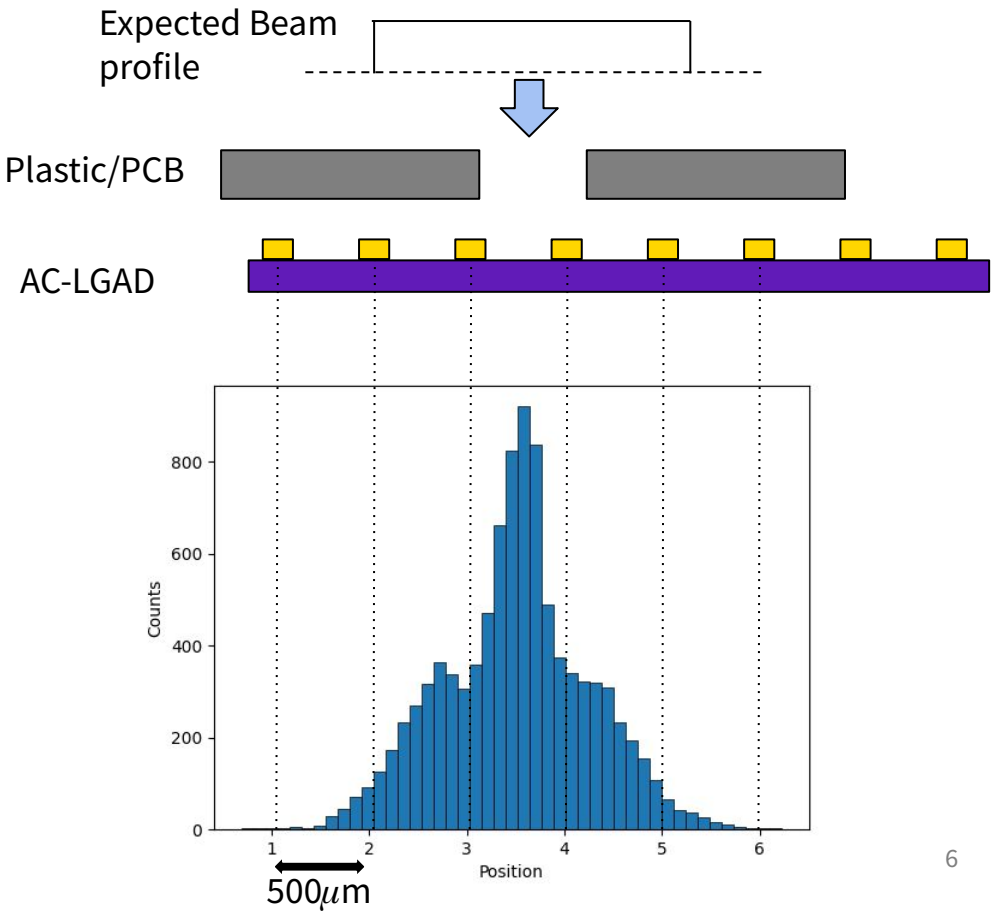

0.00E+0
OFF
OFF


NITROGEN



Testbeam - beamprofile

- Uniform beam profile expected
- Attenuated due to plastic/pcb with hole in front
- Calculate weighted mean using amplitudes from 8 strips (charge sharing) -> position distribution
- weighted_position=SUM(amplitude[mV]*strip[#])/SUM(amplitude[mV]



Testbeam - beamprofile

- Uniform beam profile expected
- Attenuated due to plastic/pcb with hole in front
- Calculate weighted mean using amplitudes from 8 strips (charge sharing) -> position distribution
- weighted_position=SUM(amplitude[mV]*strip[#])/SUM(amplitude[mV]

Personal Favorites

- Jyothis
  - All the facility tours were great but the high density interconnects lab and silicon sensors clean room were the highlights. Wish we could have spend more time there having demonstrations, etc
  - **Favorite lab: Electronics + Si Detectors**
- Siddhant
  - Exposure to current lab techniques + introduction to softwares
  - Discussions with lab instructors/lecturers
  - **Favorite Lab(s): Electronics + Si Devices**
- Yao
  - I can feel the effort that all instructors, especially the lecturers prepared many interesting materials.
  - Lab instructors are always very helpful in guiding us through the activities.
  - **Favorite lab: Electronics**
- Mounia
  - I appreciate the effort that went into organizing the EDIT2023 School! Overall, it was a valuable learning experience!
  - **Favorite lab: Silicon Detectors, DAQ, Electronics**
- Gregor
  - The Si manufacturing clean room was great to see, I appreciated the breadth of topics - there was something new for everyone!
  - **Favourite lab: Silicon Detectors**
- Ashley
  - **Favorite Lab: Electronics**
- Chris
  - Overall, well organized, well rounded, and very educational
  - **Favorite Lab: Silicon Detectors and Beam Test**

Personal Favorites

- Jyothis
  - All the facility t… …uld have sp…
  - **Fa…**
- Siddhant
  - Ex…
- …
  - …
  - …
- Mounia
  - I app…
  - **Favorit…**
- Gregor
  - The… …ppreciated the breadth of topics - there was something new for everyone!
  - **Fa…**
- Ashley
  - …
- Chris
  - …ed, well rounded, and very educational
  - **…orite Lab: Silicon Detectors and Beam Test**

- We had a great experience and learned a lot from the school
- All of us definitely thought the school was worth attending
- Appreciated the effort put in by all of the organizers and instructors

Thank You!

Link to Lab by Lab Pros and Cons

https://docs.google.com/document/d/1NG24uLitwi476yImbLG8LR_cnrYokWiliuHyODYI6Qk/edit?usp=sharing