

group 1 had fun

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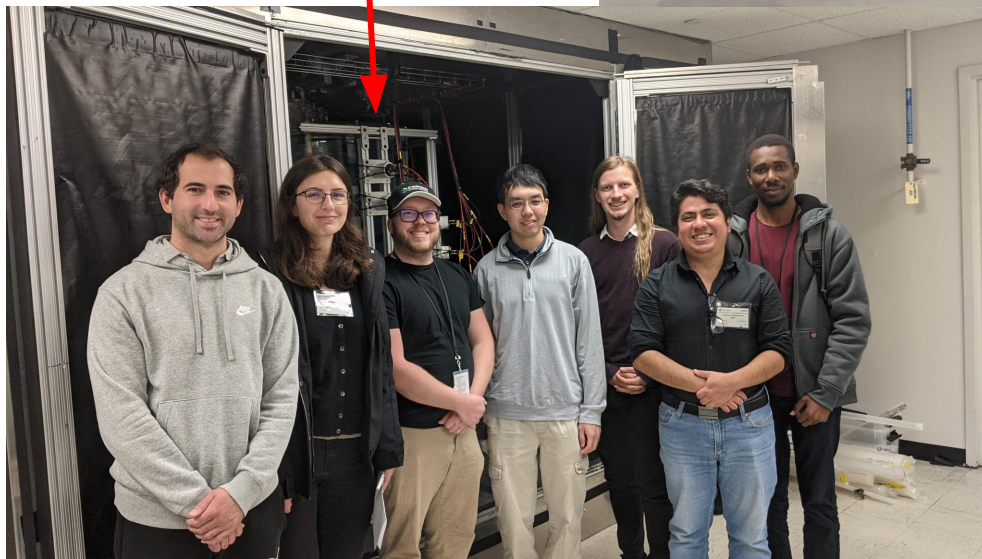
10/20/2023



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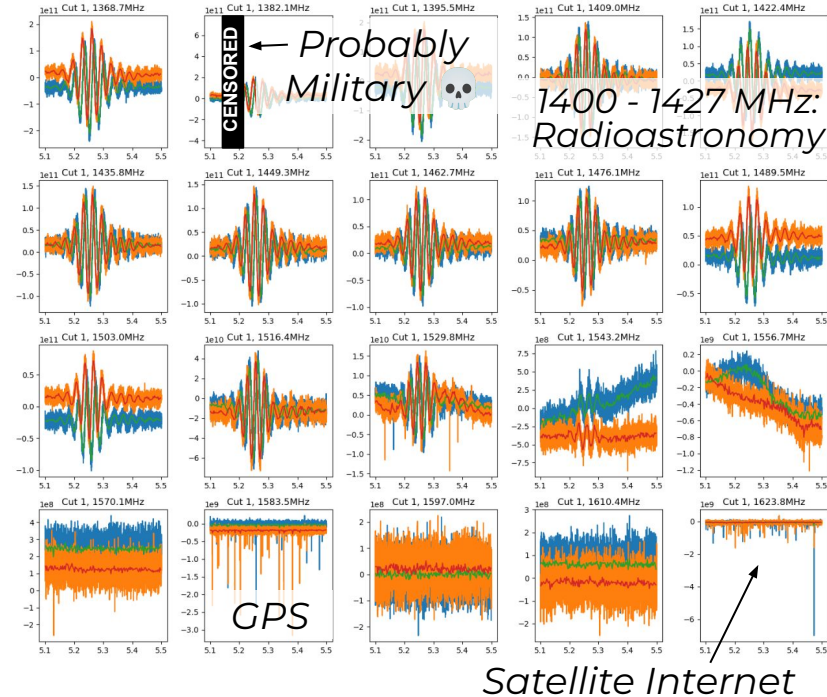
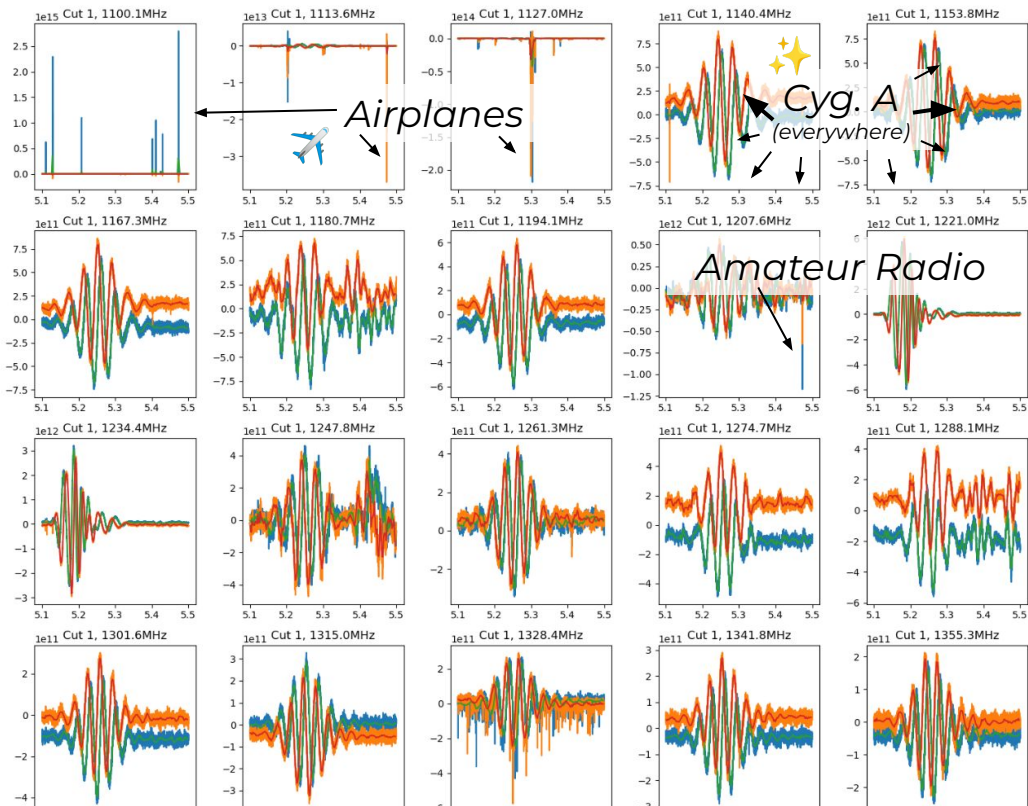
Scintillating Stuff!

There is 1T tank hiding
back there



Radio astronomy

BMX Spectrum analysis from 1100-1623 MHz + Wikipedia [1]



Things we liked...



- Breadth of the school - lots of different topics, all very interesting!
- Labs were interactive and interesting
- People running program and labs were very nice and willing to answer any questions, and incredibly knowledgeable in their field
- Liked when lecturers provided additional resources to read up on their subject (e.g. electronics reference slide)
- Ability to network with a lot of subject-matter experts within our relevant fields
- Great to meet lots of peers at a similar level and with similar or in many cases complementary interests - we've made lots of new friends!
- It was great to be able to experience technologies and projects that are at the cutting-edge of instrumentation (e.g. AC LGADs, Water-based Liquid Scintillators, LAr Cryostats, labs for detector fabrication and construction)
- We covered almost all of the steps required for constructing and operating large detector projects

Suggestions for improvement

- We feel there may be potential for better communication between the school and the lab organizers (some labs seem to have been adjusted at last minute)
- Some of the labs may have been easier to keep up with, or to start, if we'd had some pre-lab introductory info to read through in advance
(*e.g. for radio astronomy, we could have pre-downloaded Docker and the data files*)
- It would be nice to have more of a kind of options of lecture/lab types based on your specialization
- Many lectures were dense and could be improved by having fewer but more pedagogical slides aimed at non-experts
- Some tours seemed very rushed in order to hit many things rather than spend quality time at less places
- We would benefit from more hands-on labs
- A level orientation survey pre-school could help preparing the talks and labs

Testbeam and liq. scint. results

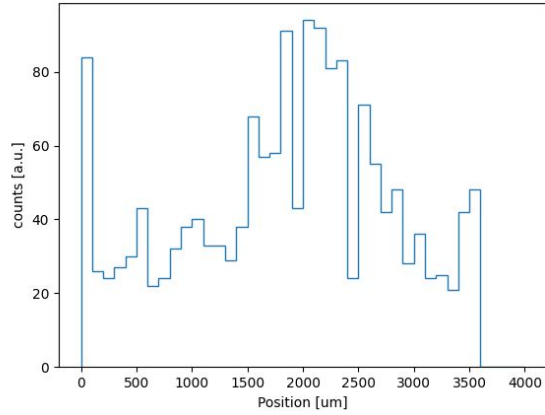


Figure 1. Position of hits on strip sensor array, calculated as centre-of-mass.

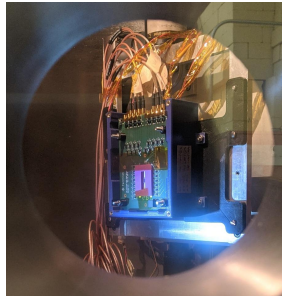
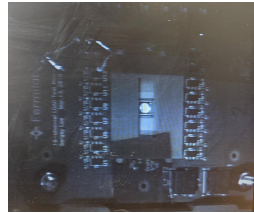


Figure 2. Charge-sharing proportion for each centre. The strips are listed in physical order from top to bottom of the sensor array.

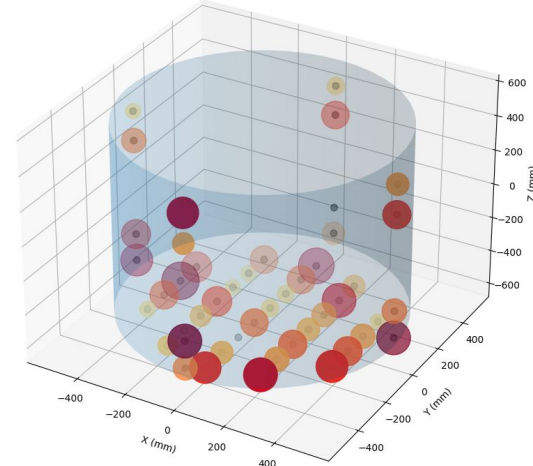
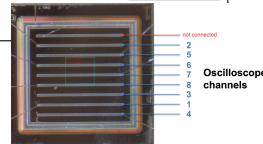
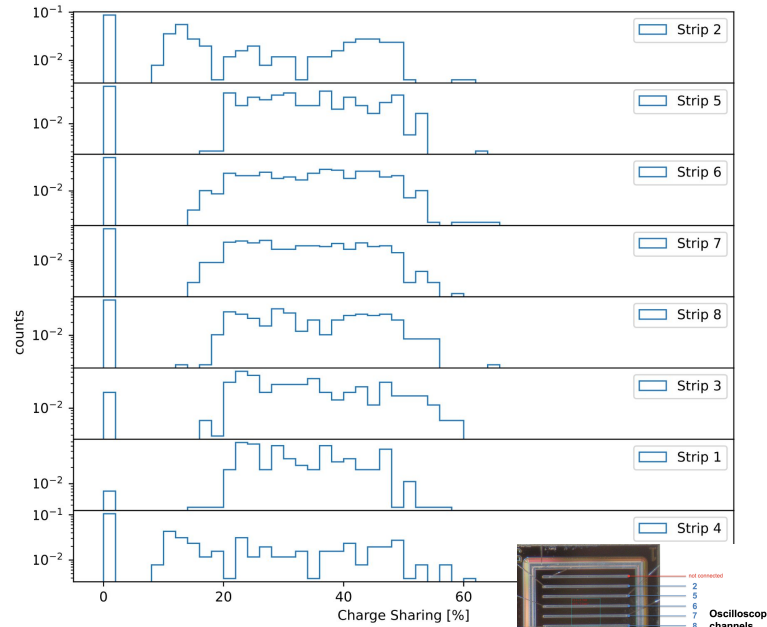
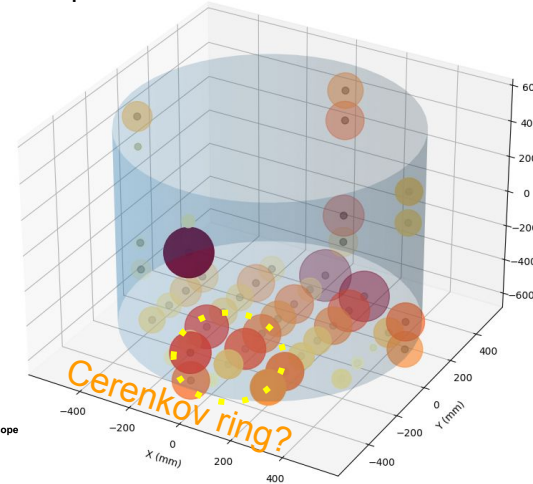
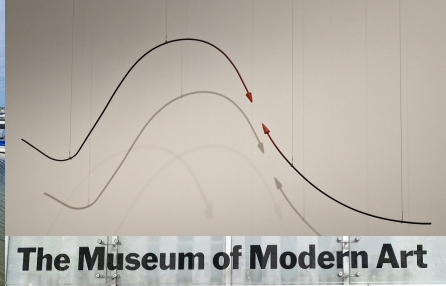


Figure 3. BNL1T triggers and PMT responses.



Le Weekend



The Museum of Modern Art



Thank you

Subtitle



Back up slides

(there are no back up slides)