

Weekly Meeting

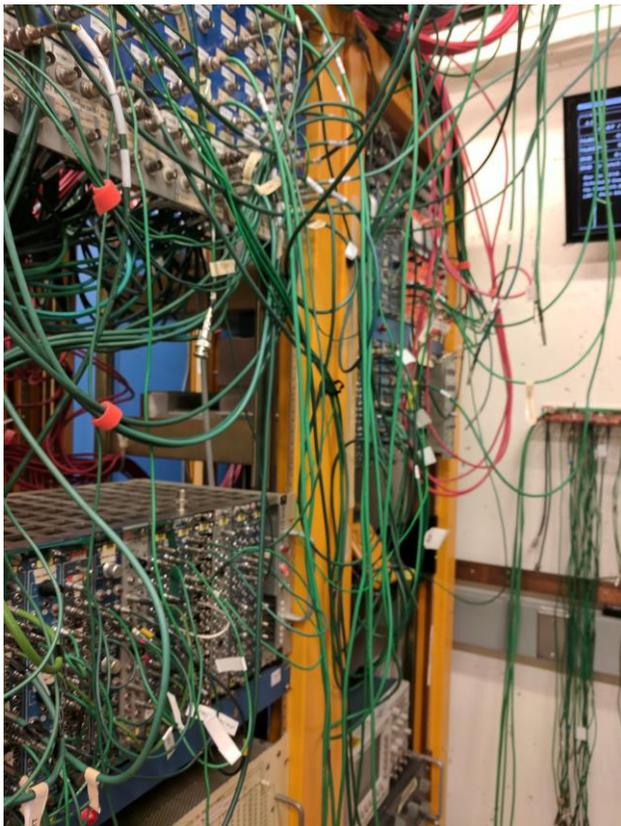
April 6th 2018

EDIT2018 Conference



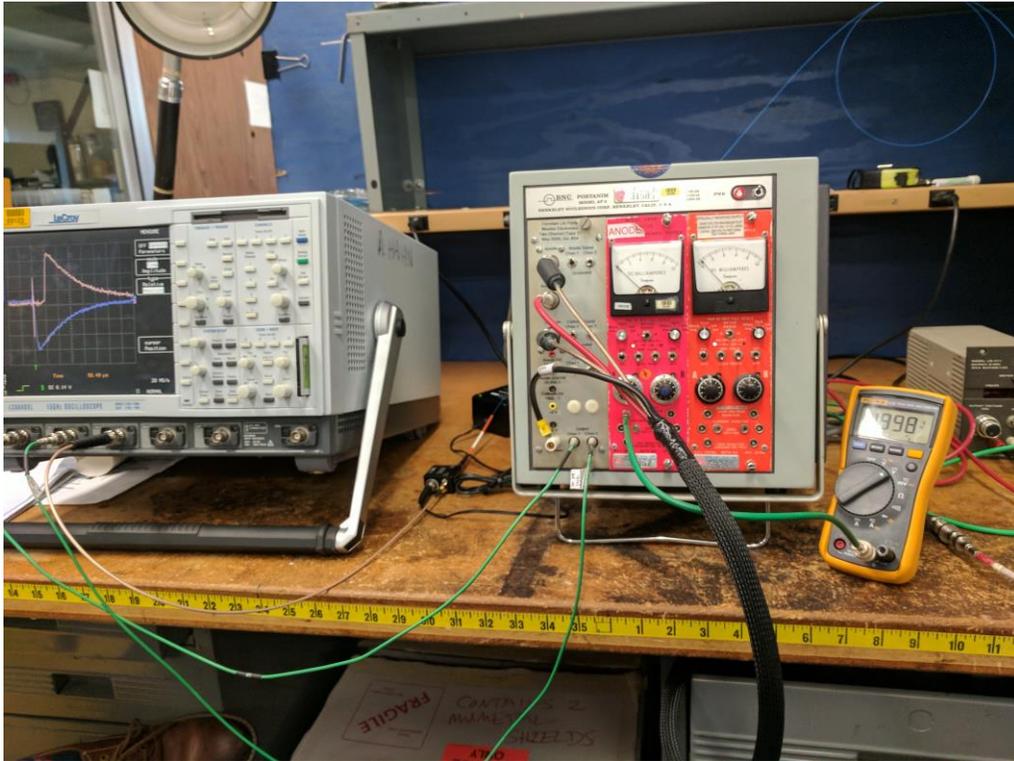
EDIT2018 Conference

- Test Beam



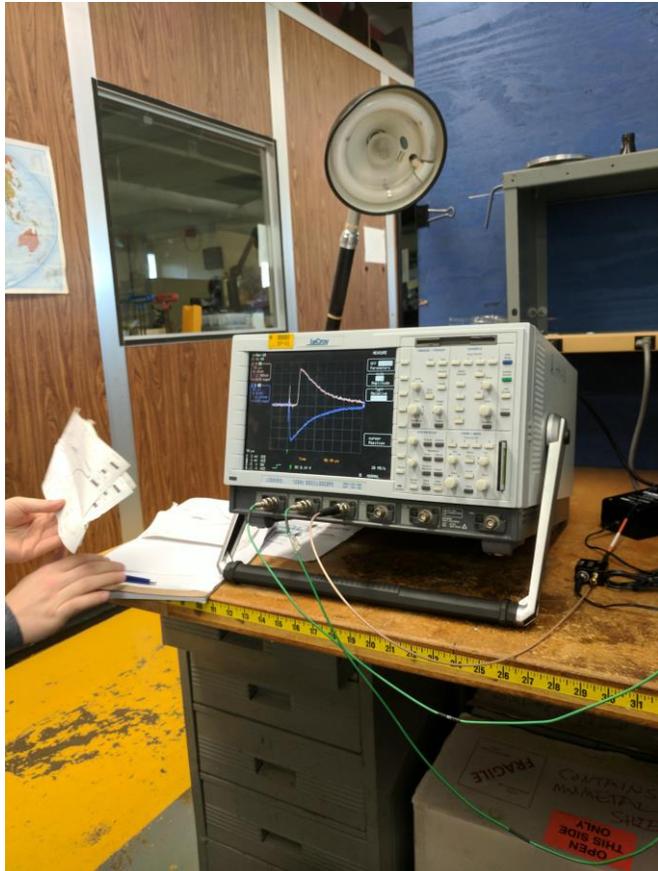
EDIT2018 Conference

- Purity Monitoring



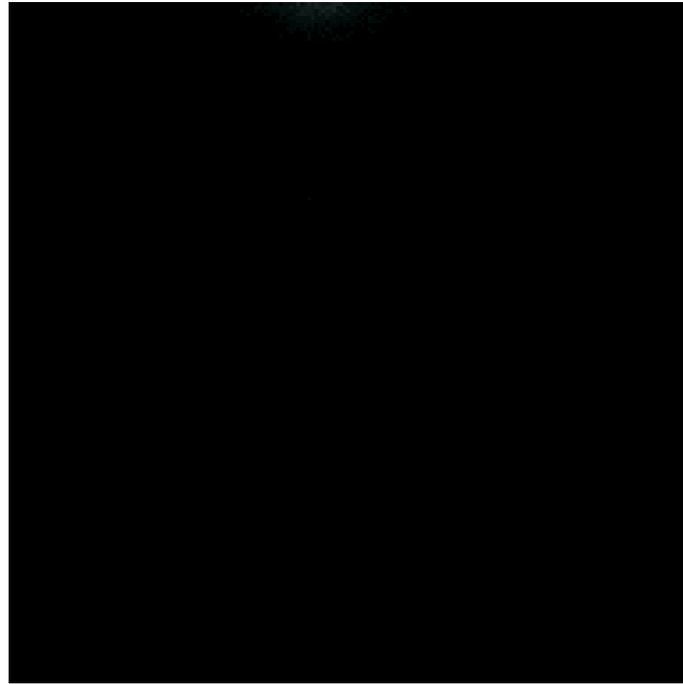
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- Purity Monitoring



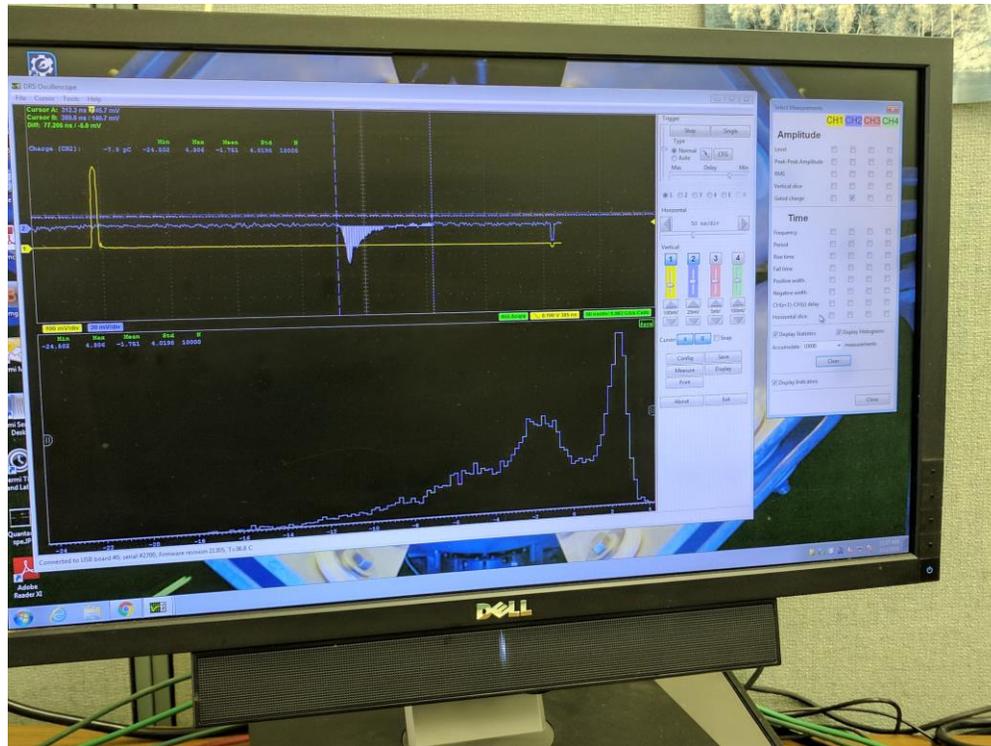
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- Breakdown Voltage



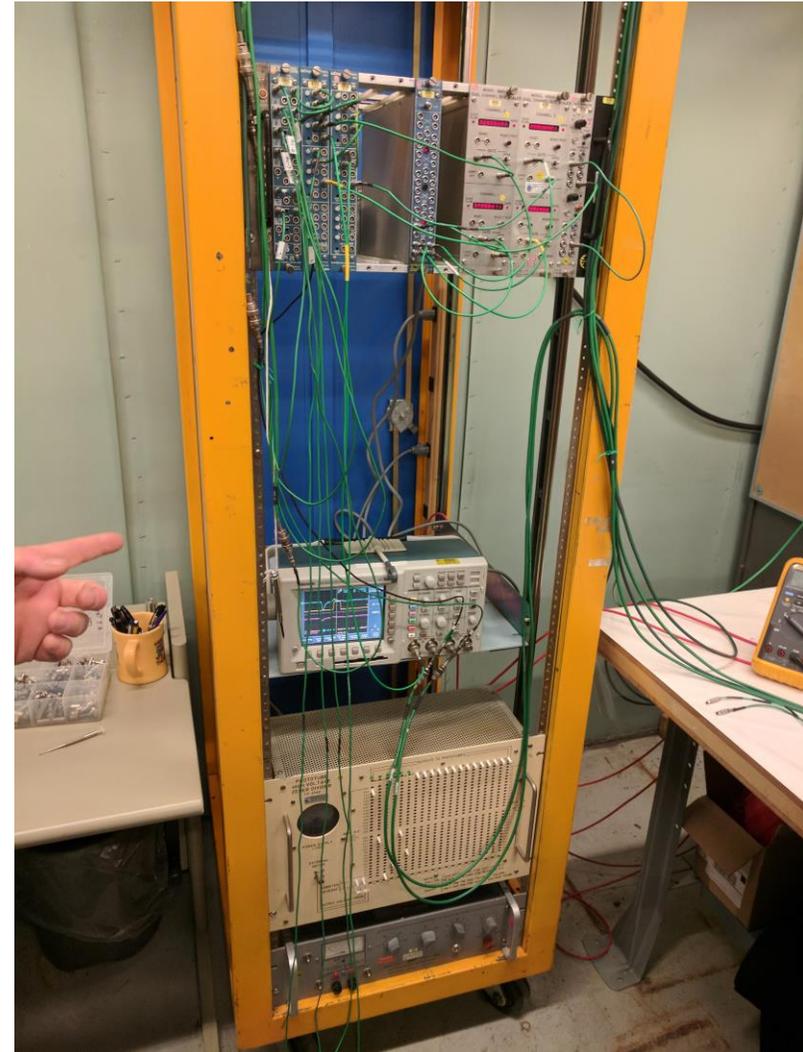
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- SiPM



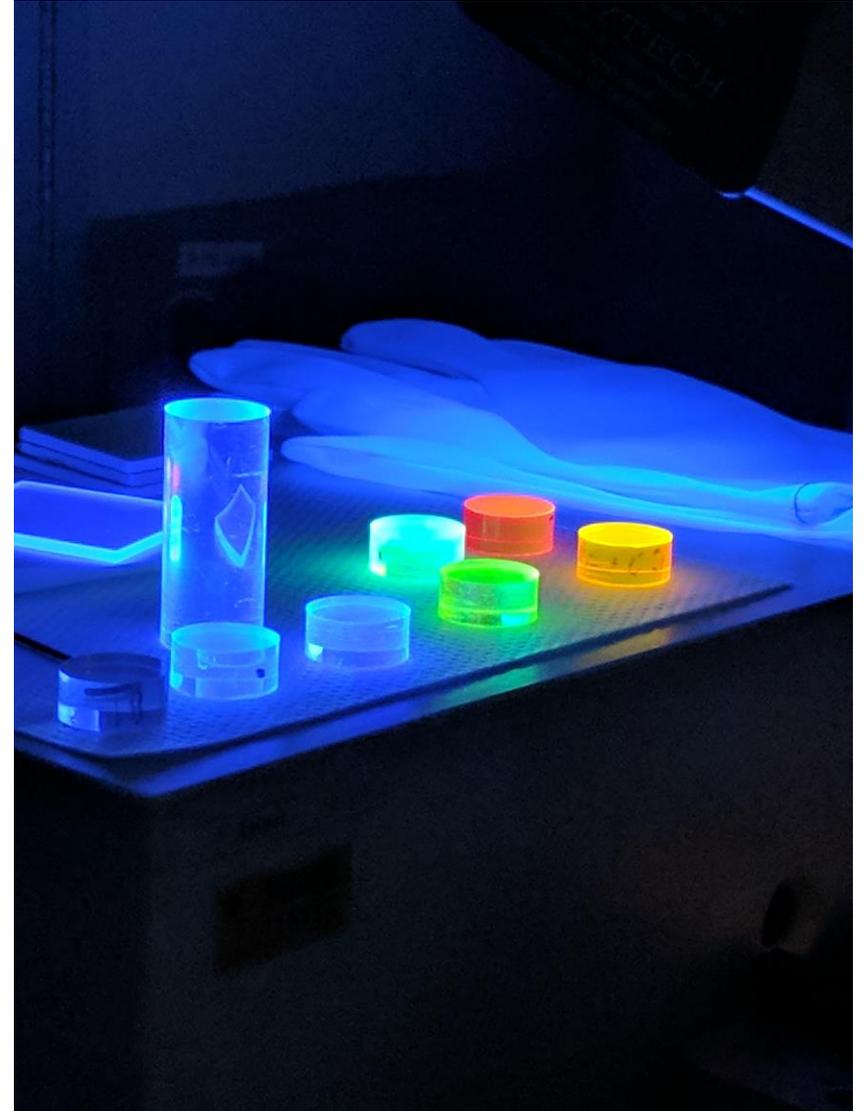
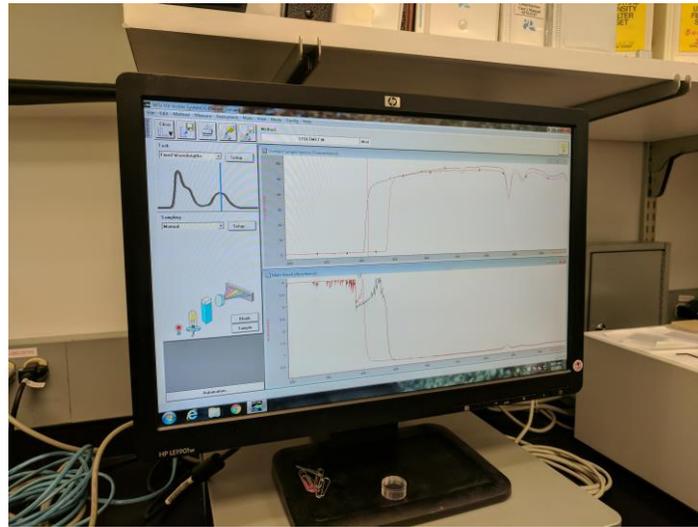
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- Cosmic Ray Triggering
 - With scintillators and PMTs



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- Scintillators



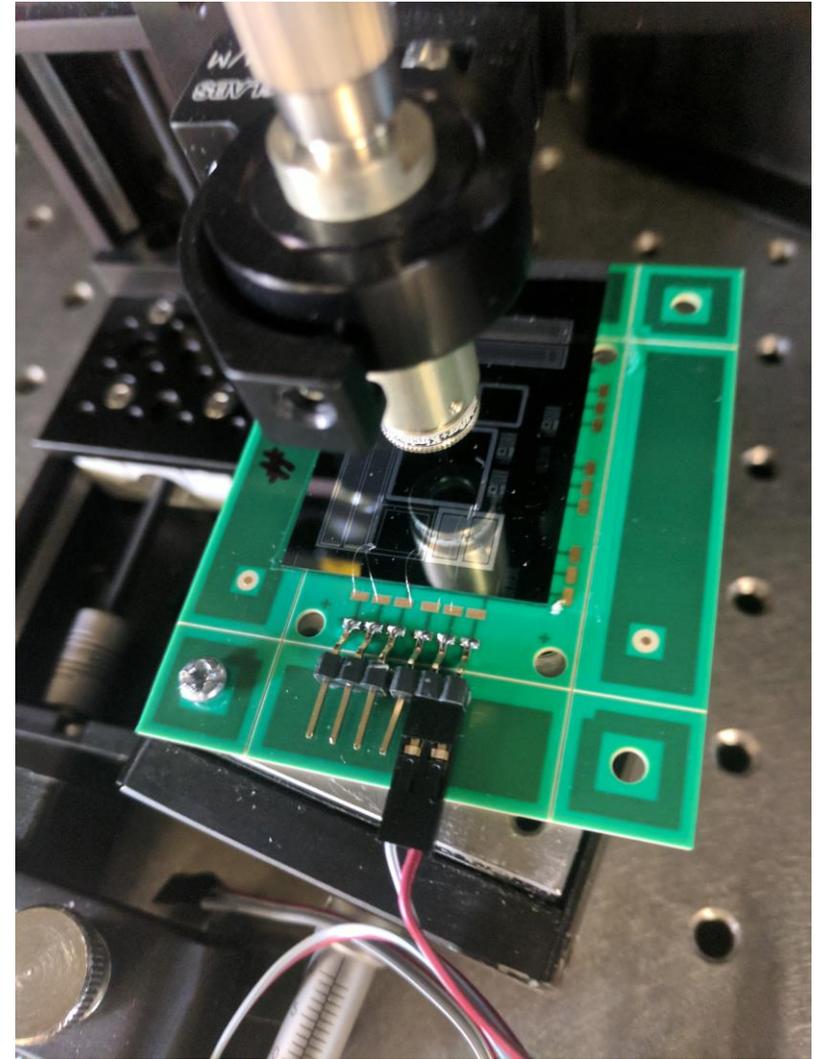
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- Scintillator Production



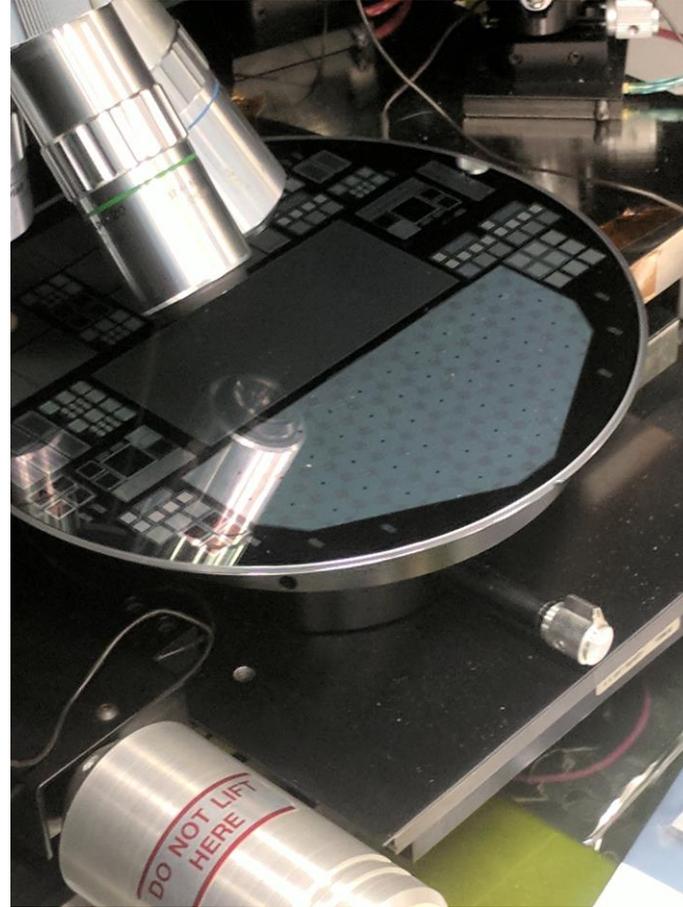
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- More SiPMs



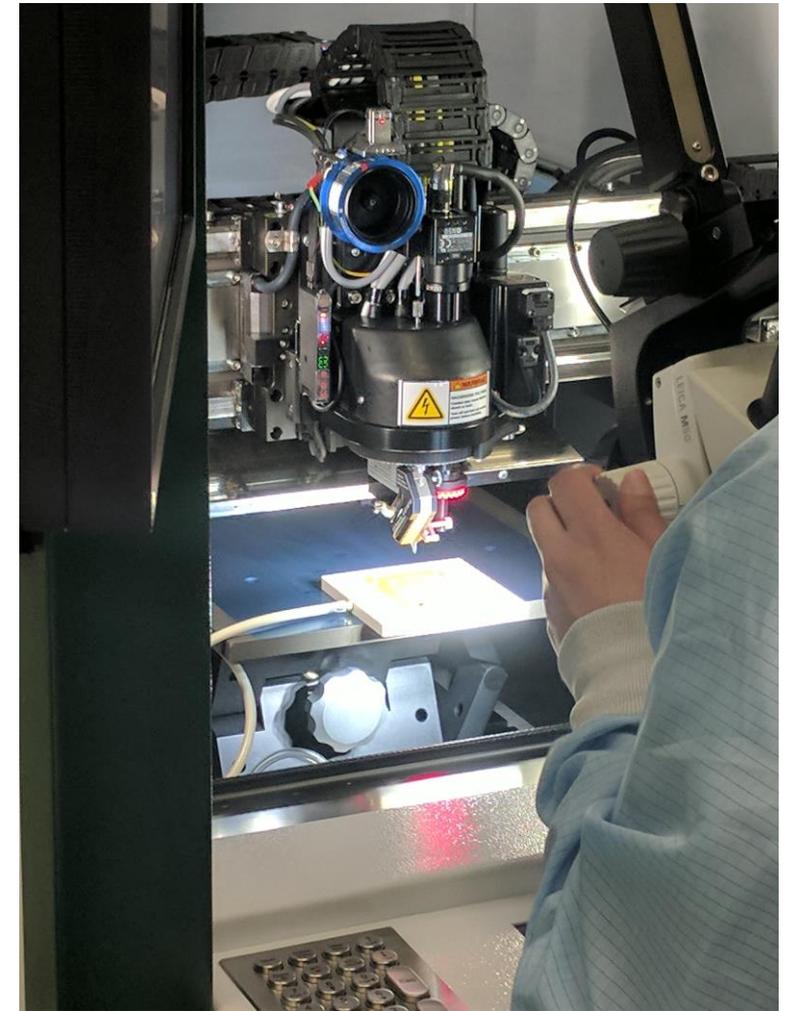
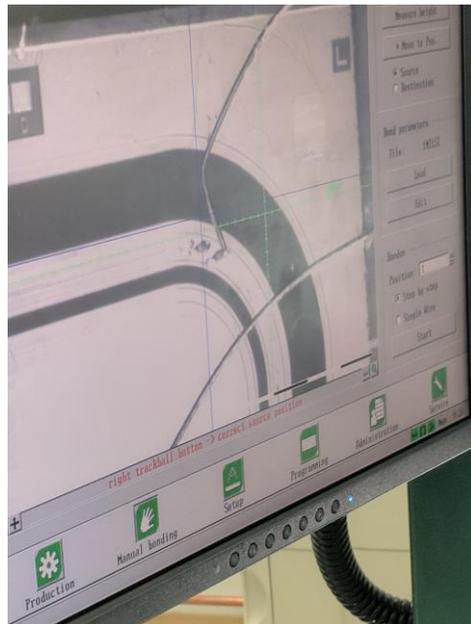
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- Clean Room



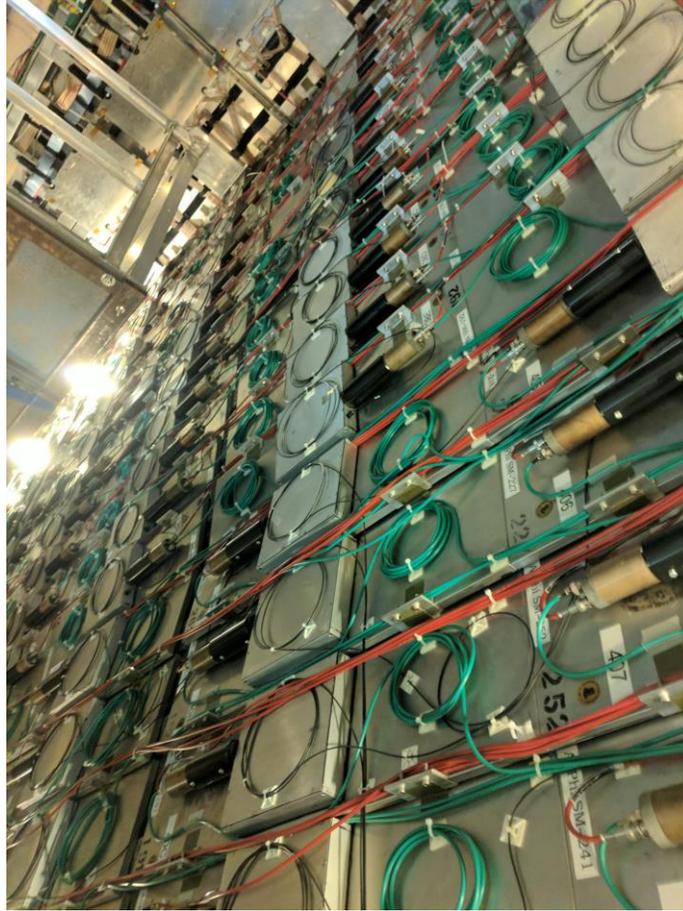
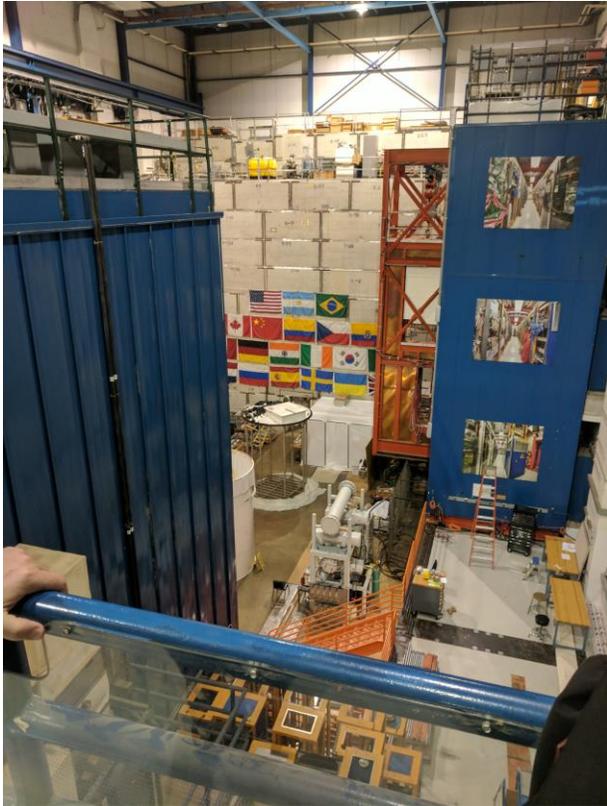
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- Clean Room – wire bonding



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- Inside Dzero detector



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- Inside Tevatron



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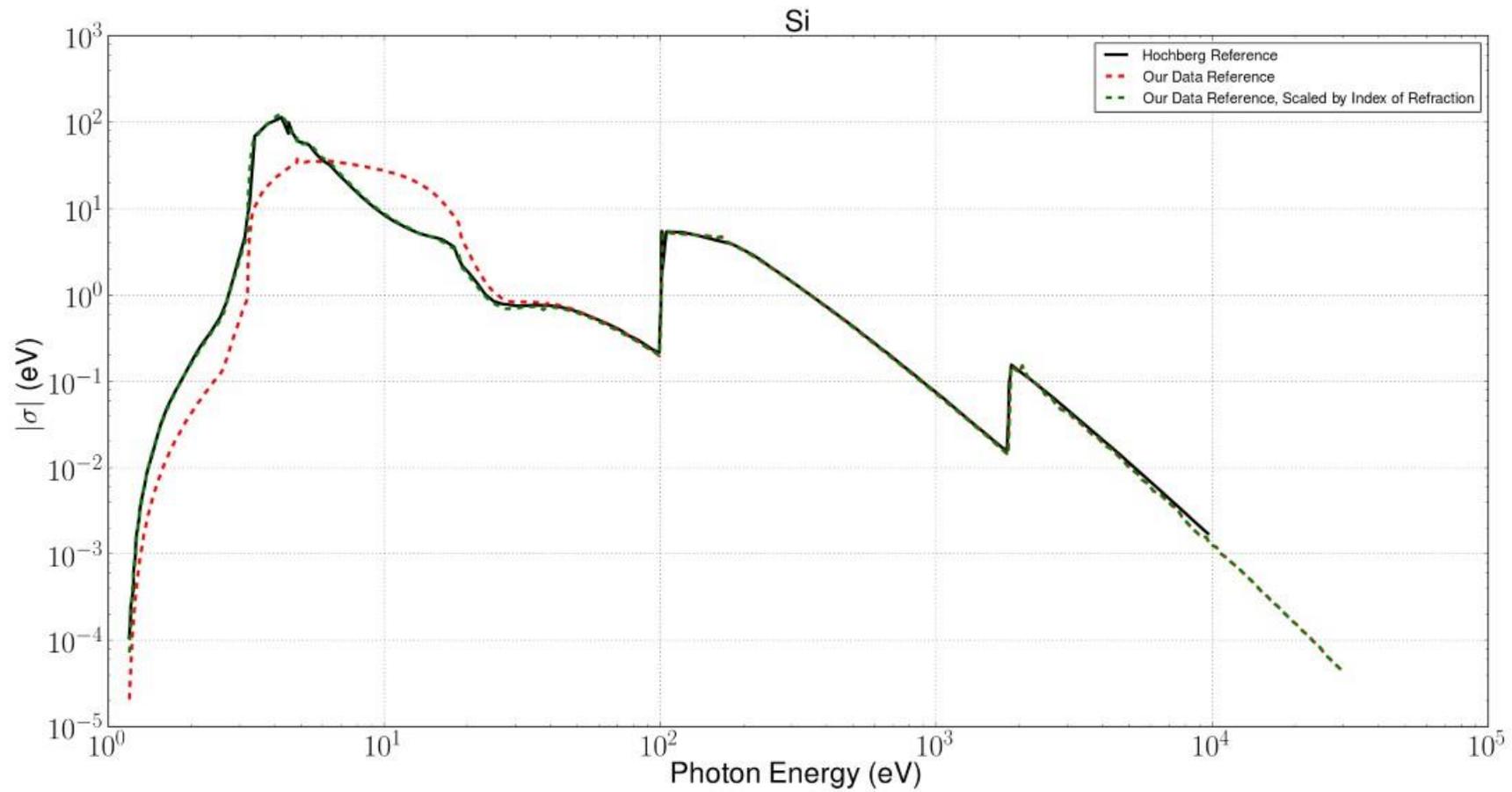
- Liquid Argon tank for future short-baseline neutrino experiment



Photoelectric Cross Section

- We figured out the issue between our plots and Hochberg's by talking to Yonit.
- We were missing the index of refraction when converting between cross section and real part of complex conductivity:
- $\sigma_1 = \sigma_{p.e.} * n$

Photoelectric Cross Section



Photoelectric Cross Section

- Been working on a supplement doc to go along with Si quant. Paper
 - Treat like an appendix, very short/concise.