

# Weekly Meeting

July 25 2018

# DAQ - IO Lib

- Now working on implementing midas writing into DMC Prebats
  - IO Lib now supports MIDAS writing
- Ran into a bit of trouble with new IO LIB – now has dependencies on some ROOT headers
  - I'm talking to Ben about this, because I thought the main point of adding MIDAS reading/writing to IO Lib was to avoid dependencies like ROOT
  - Initially working on Brazos cluster, but have been shifting to my local machine – which has caused other dependency issues (boost, pyFFTW)
- Implementing MIDAS writing should be straight forward. The main question going forward is how to deal with ODB type information that we want to store from DMC

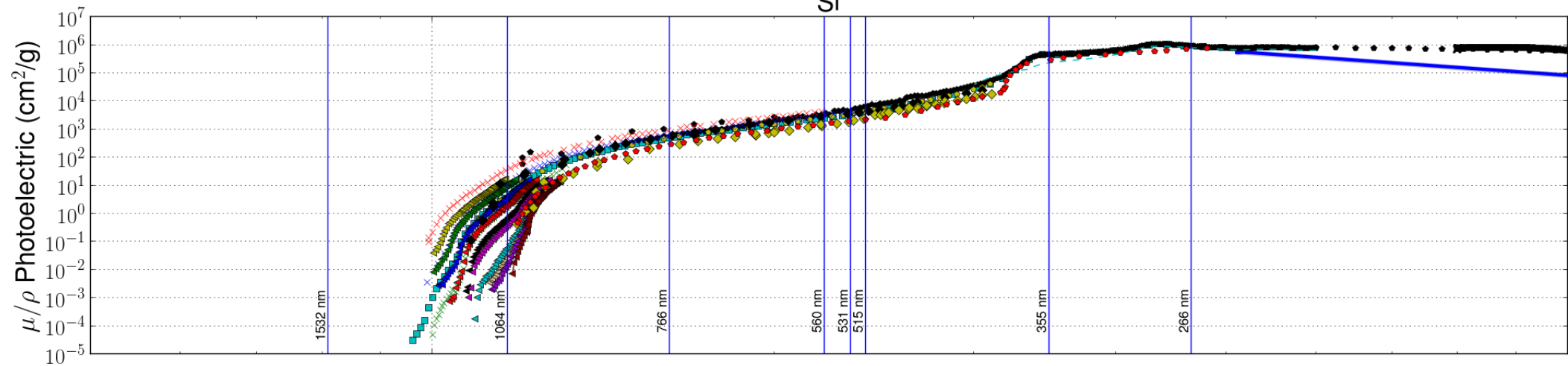
# DQM

- Continuing with work I was doing before I left
  - Alert handling
  - Type 3 decider dependencies in cdmsBats – now need to do timing measurements
  - Build type 2 deciders

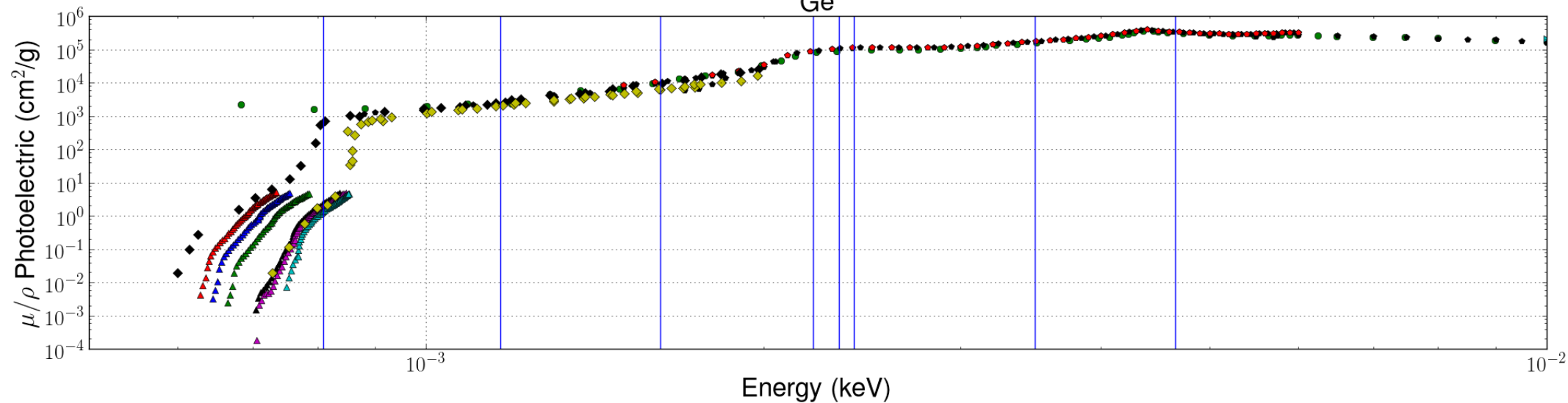
# Light Source

- Have you gotten the chance to look the various light sources I got quotes for?
- Other option: xenon monochromator with a "UV extended" option that goes from 200nm - 2200nm (0.5 eV - 6 eV):  
<http://www.spectralproducts.com/asb-xe-175.html>

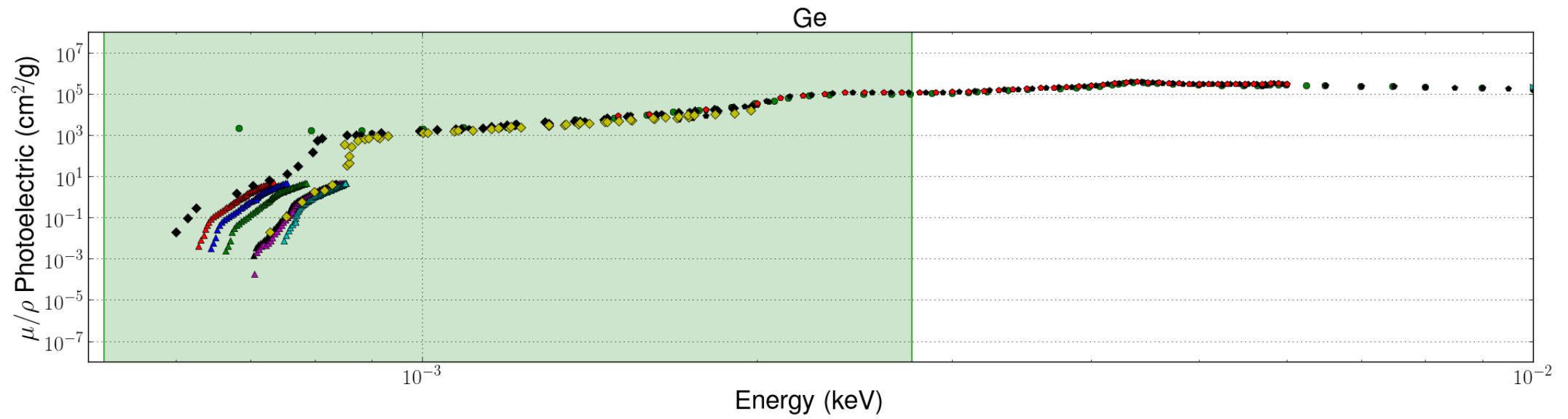
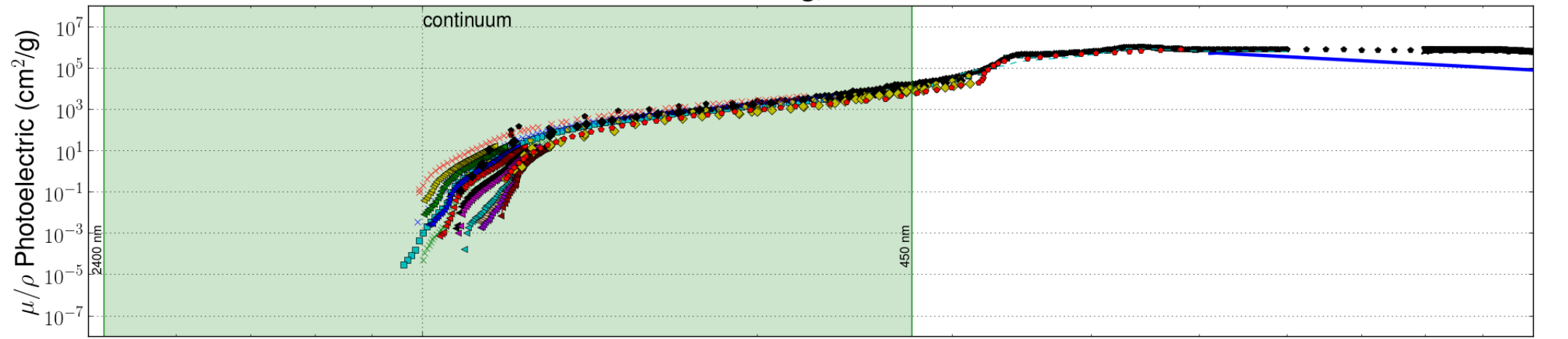
PDL 800-D LDH-FA Series from PicoQuant  
Si



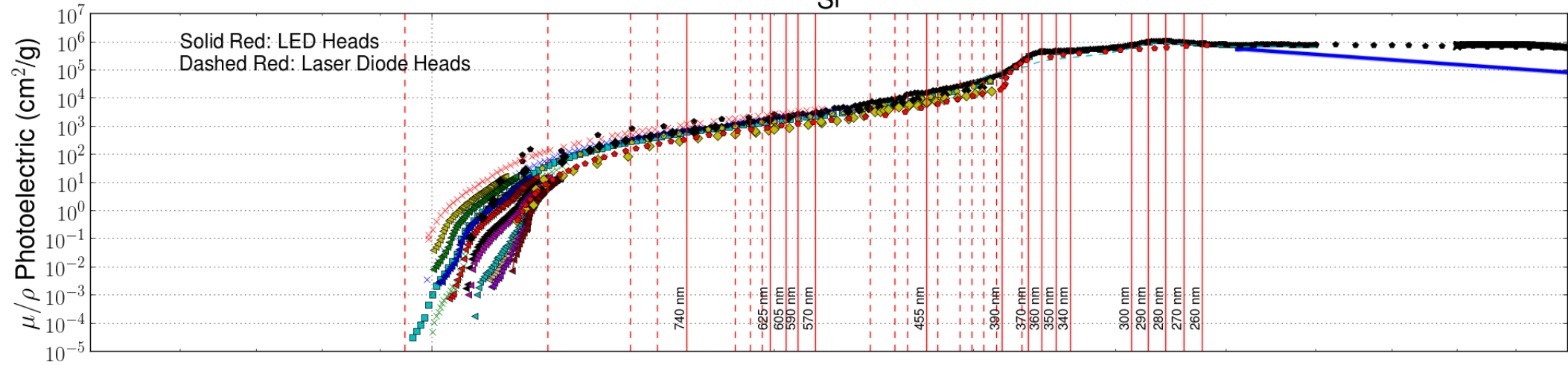
Ge



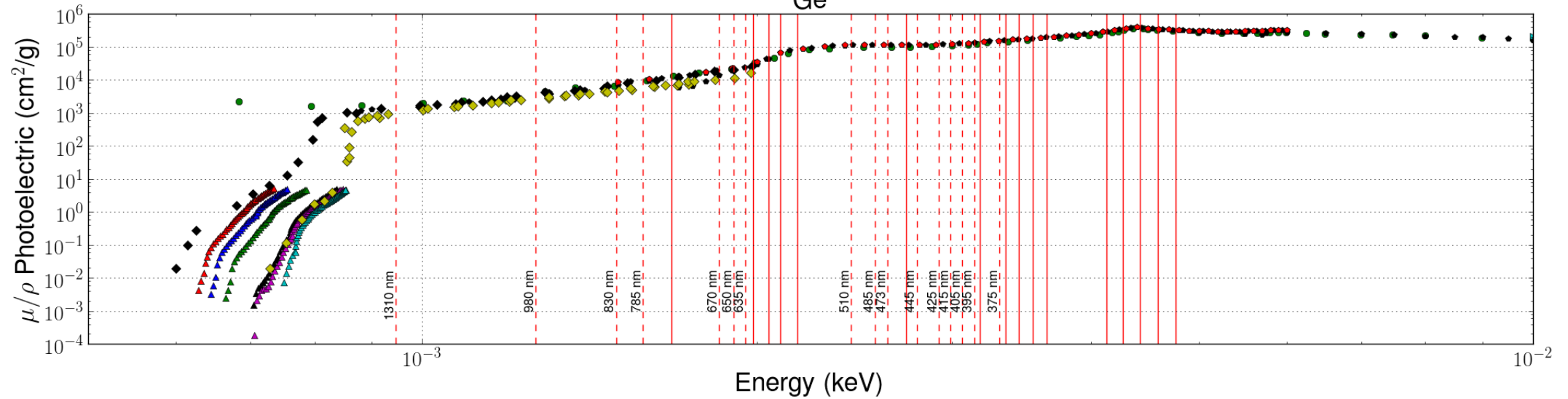
# SuperK Compact Supercontinuum Lasers from NKT Photonics



### Nano LED from Horiba Scientific Si



### Ge



# ER DM Group

- Going to be working with Belina to start summary documentation for CDMSLite R2 limits
- Continue work on SNOLAB projections – need to touch base with Tarek to see status of sensitivity code. I believe they have made major changes to it.



# Other

- Insurance and I-901 payment for SLAC visit in spring.
- Meeting time for this term?