

# Aging study of HRPD

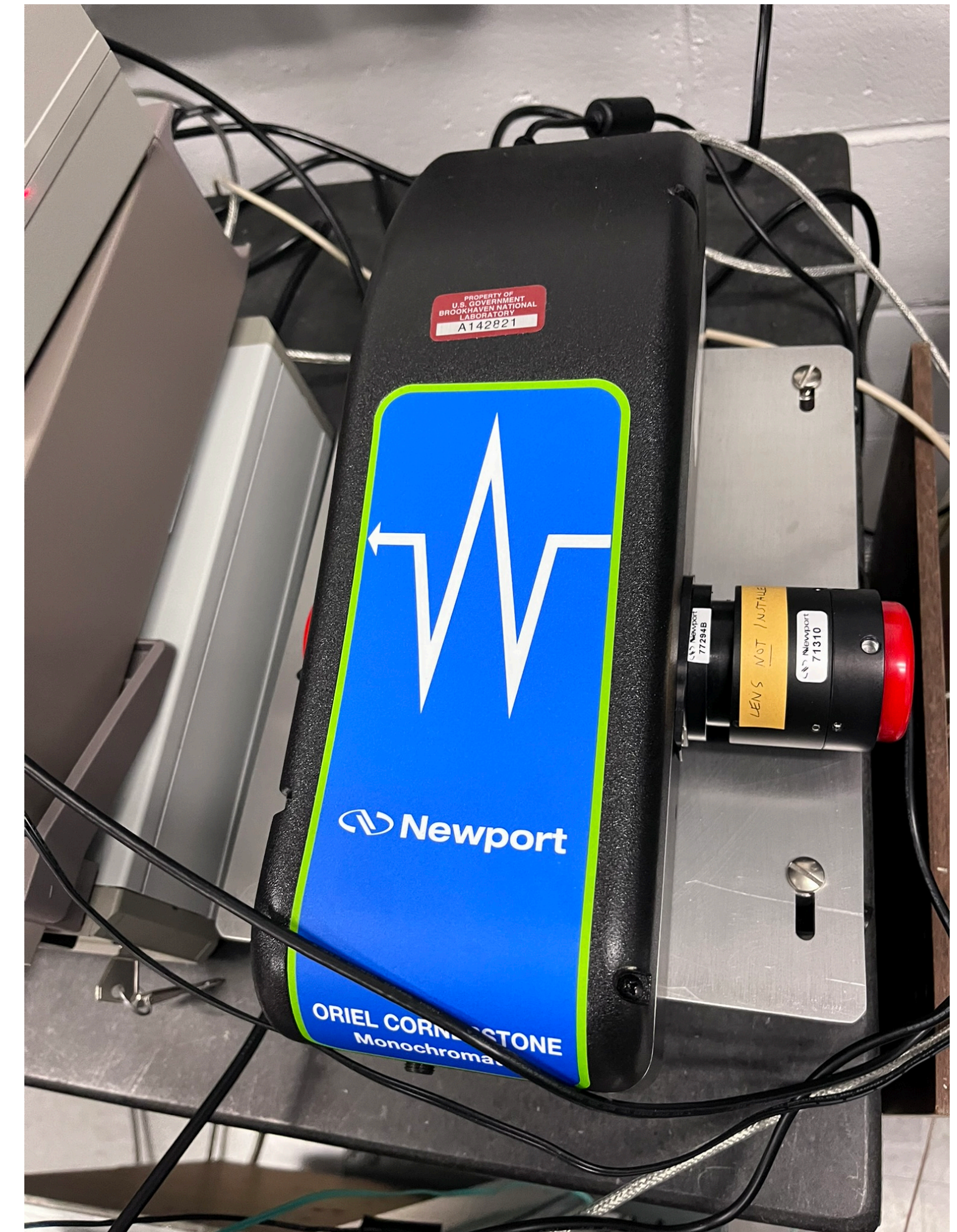
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April 9th, 2025

# Monochromator

- We set up a monochromator (CORNERSTONE 130B) to investigate the degradation of QE as a function of wavelength before/after illumination, since QE at large wavelengths will start degrading faster.
- Software for serial communication with the monochromator is done and tested. The software framework is converted to python to be consistent among all equipment (KDC motor controller, Keithley pico-ammeter, HV power supply). A 3D map, X-Y-Wavelength will be measured.
- UV-enhanced Xe lamp and power supply are being inspected for approval, not in place yet.



# HRPPD

- HRPPD encapsulated. Tested on a mature test stand.
- First trial on data reading was not successful.
- The 3D-printed frame seems have some size mismatch, the interposers are not well connected.
- Second assembly attempt was more successful (observed single-photon signals)
- One more iteration will be needed because of the HV connection issue (an arc between a photocathode cable and an exposed PCB ground)
- Waiting for next frame to be printed.
- Cables for HRPPD readout board at aging test stand are assembled.

