



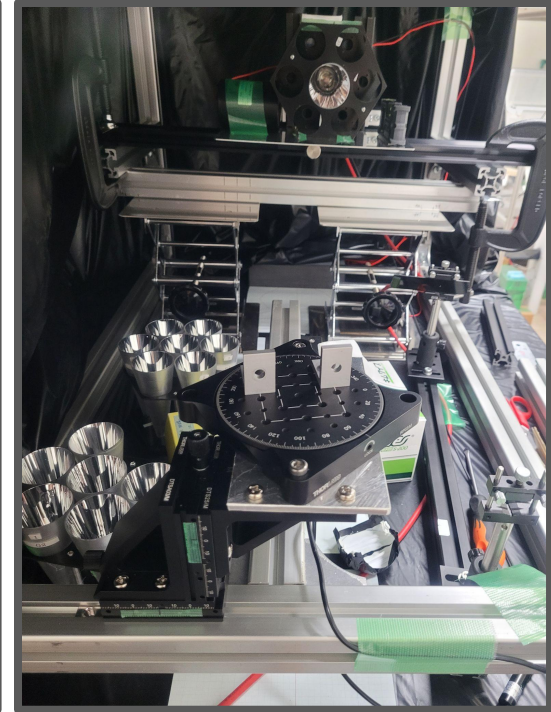
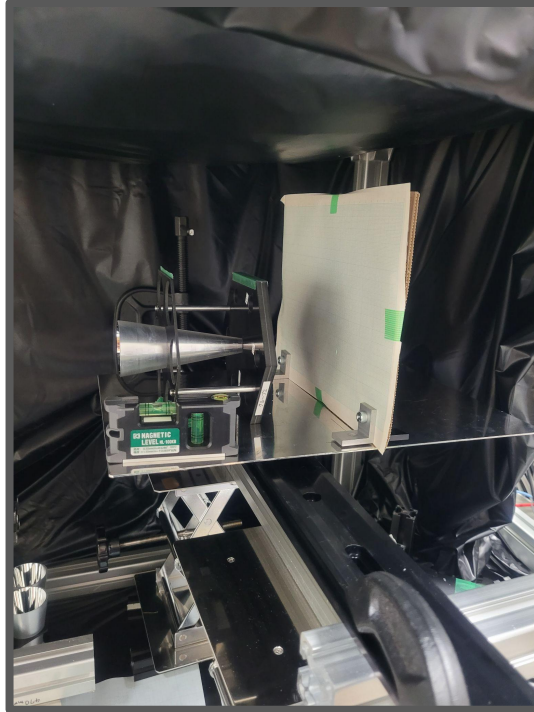
RICH Light concentrator laser test

June 2024

By Vadim D. Murakhovskiy

Day 1-2

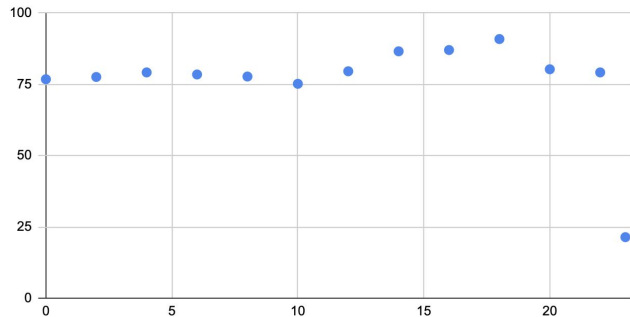
- Setup the light concentrator test
- Used paper screen to observe the behavior of concentrator
- Installed the pmt and began to run tests with differing factors such as; x-position, y-position, and with or without scintillator.



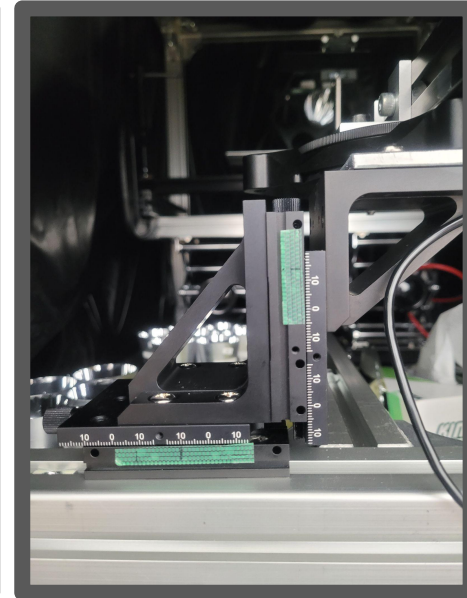
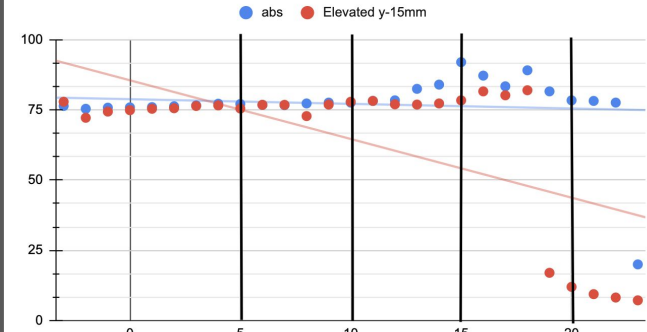
Day 3-4

- Continued tests (with higher precision)
- Graphing and finding trends to describe findings
- All recorded on shared google sheets folder (total of 7 scans)

Pulse Height [mV] vs. Position X (rel) (Without scintillator V2(adjusted pmt platform))



Without scintillator x-Position(mm) X pulse height(mv)



Future Plans

Continue test and further looking into the data to come to a concrete conclusion

