



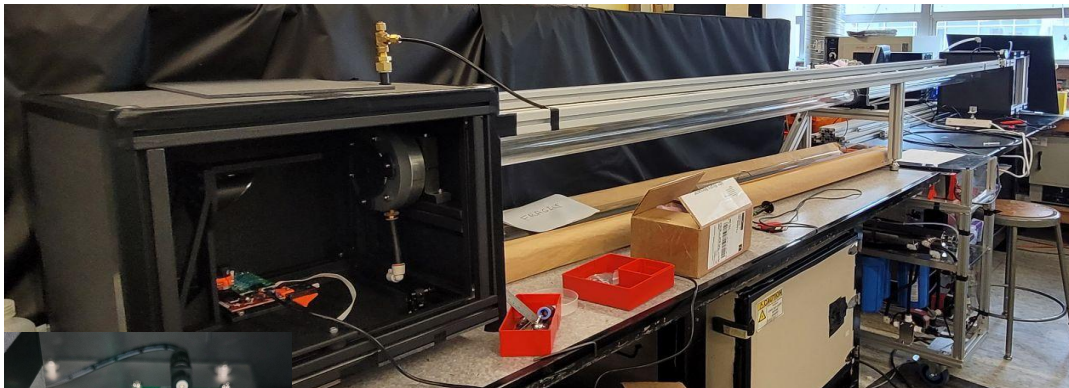
science
week / 23
JUL 31 - AUG 4

Water Monitoring System for Water Cherenkov Detectors

*Sahar Taghayor
1 August 2023*

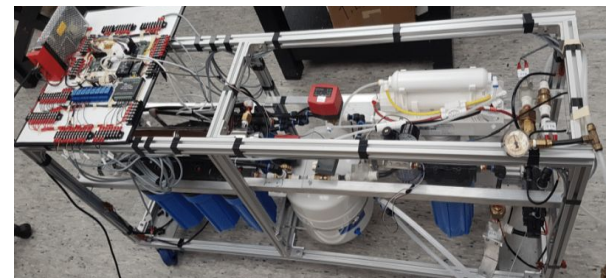
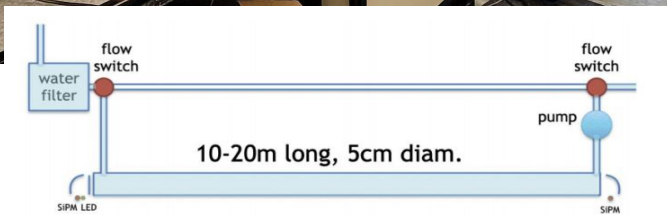
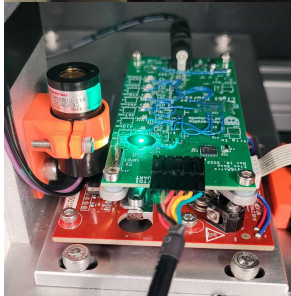


Prototype Detector

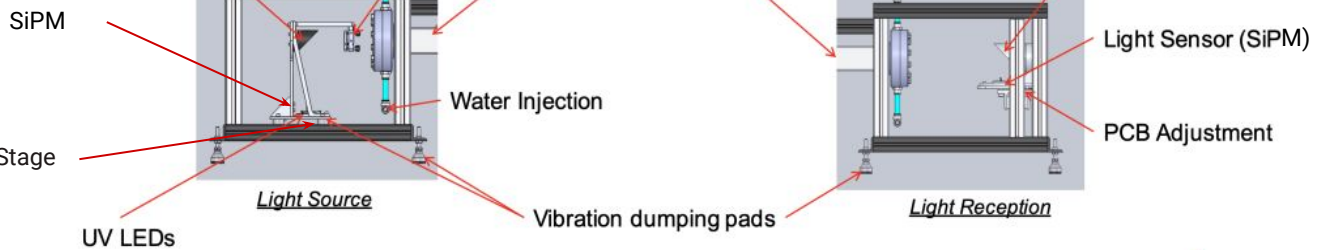


The continuous high-sensitivity optical water monitoring system for:

- HyperK
- WCTE in early 2024
- IWCD experiment in 2026
- Drinking water monitoring



Parabolic Mirror Semi-Transparent Mirror Water Chamber Air-Vent Parabolic Mirror



Water filters:

- ultra-pure (RO)
- particle filter (MF,NF)
- ion exchange resins
- UV steriliser (organic)

Thank you.

Questions or comments?

2023-08-01

