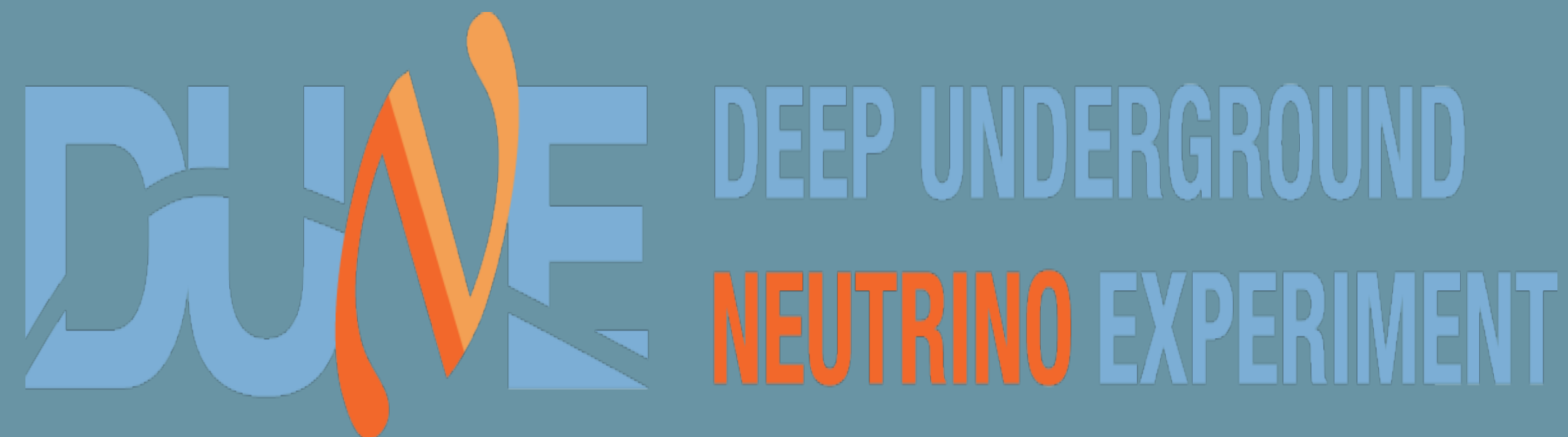
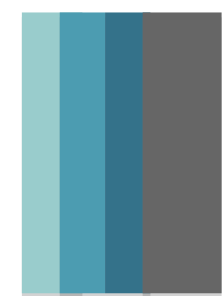


REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION

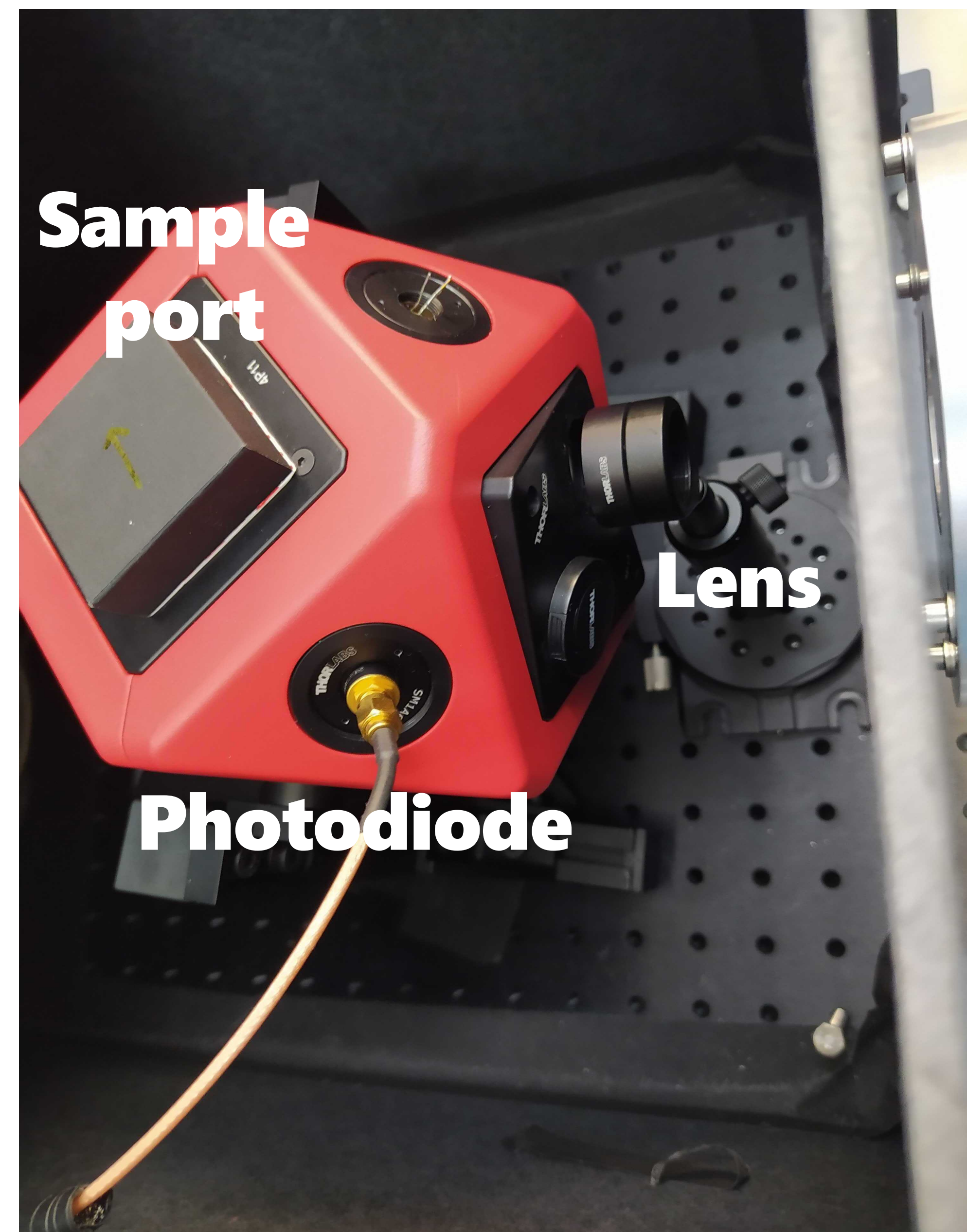
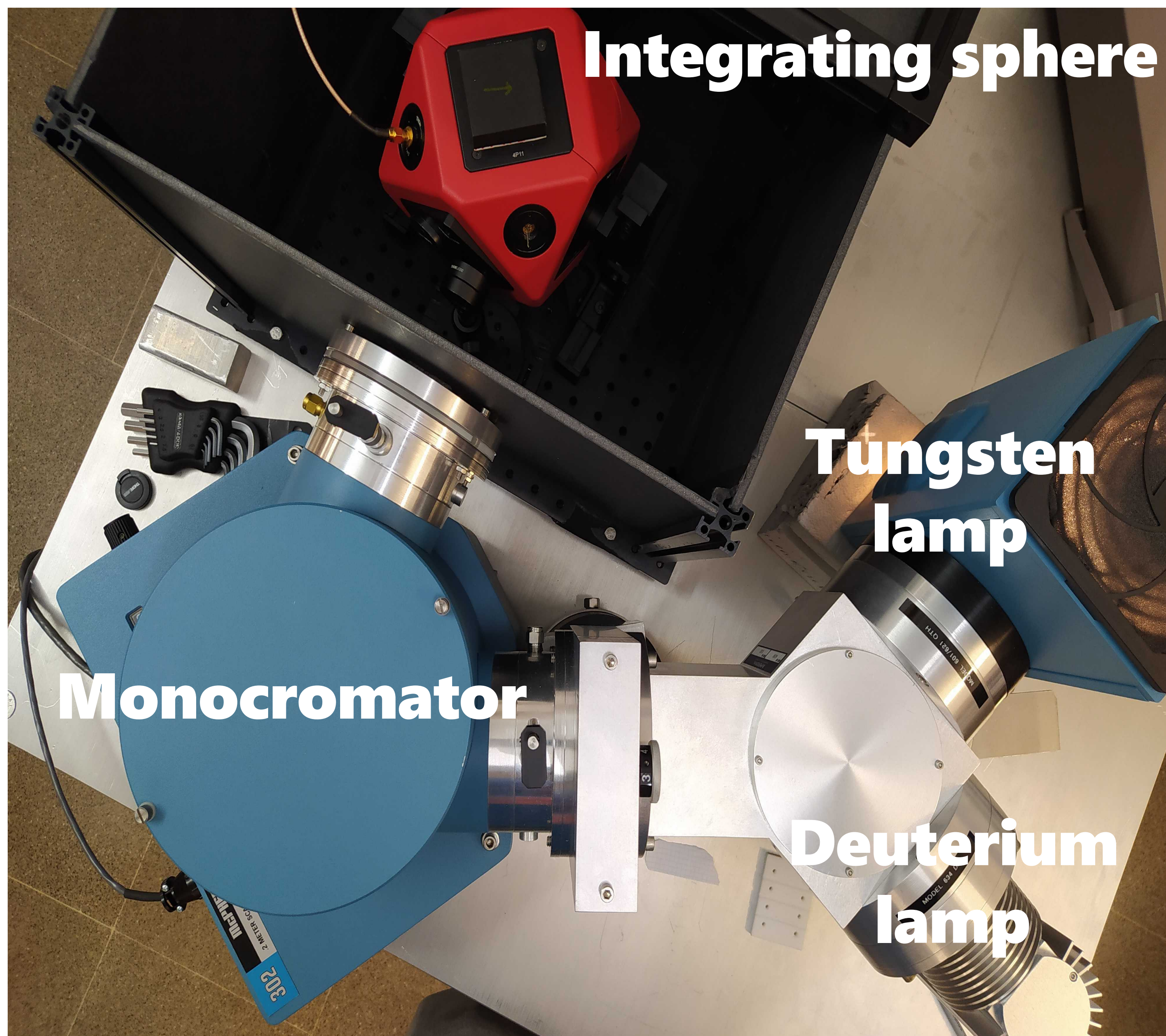
Hamza Amar Es-sghir
Anselmo Cervera Villanueva
Laura Bueno Molina
Nadia Yahlali





SETUP

REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION

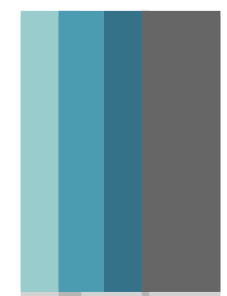




SETUP

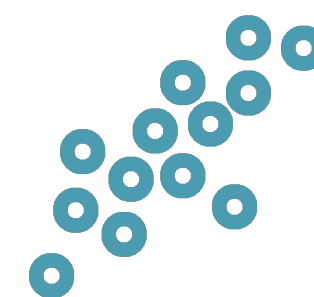
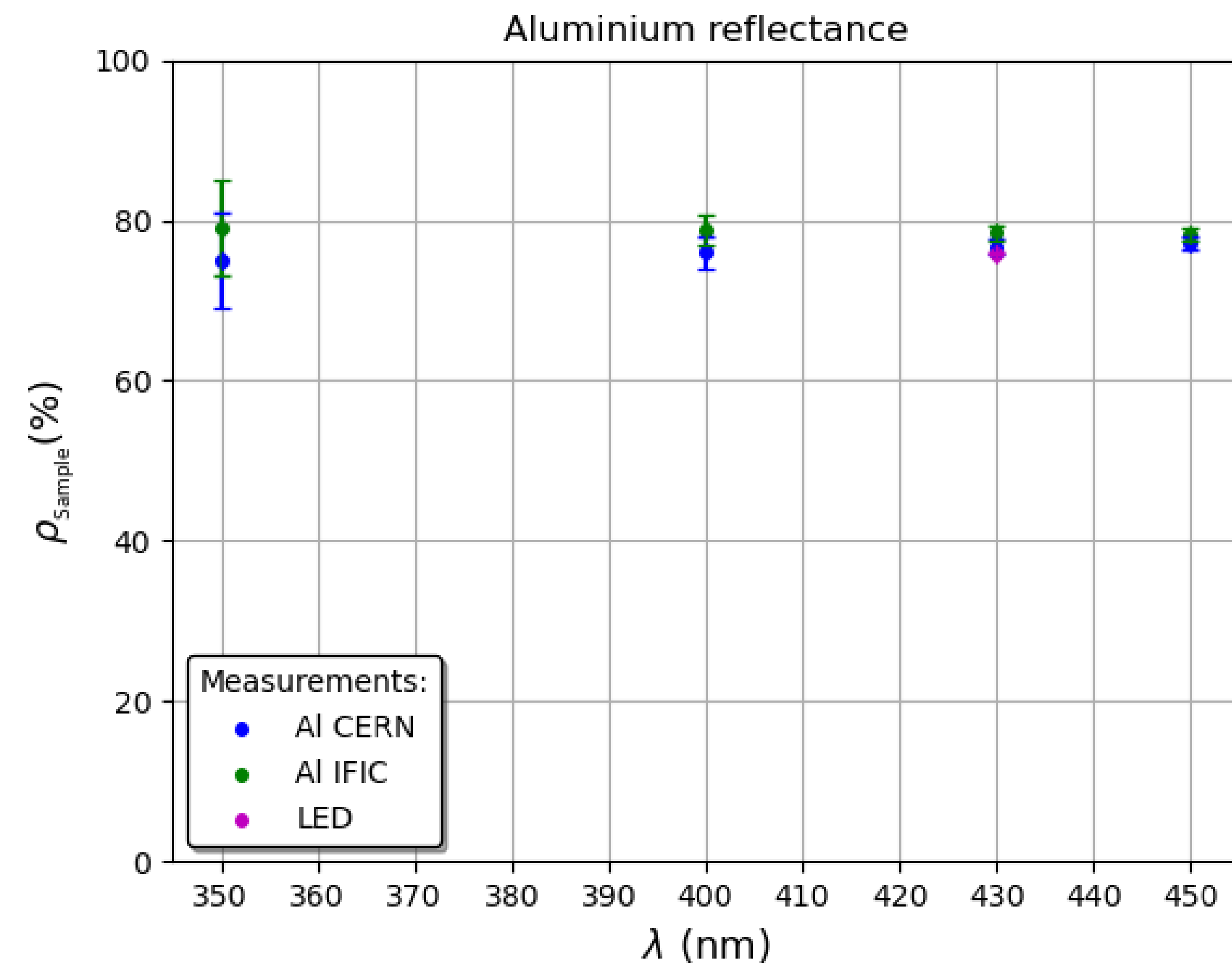
REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION





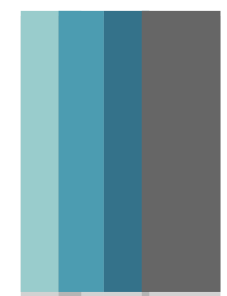
RESULTS

REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION



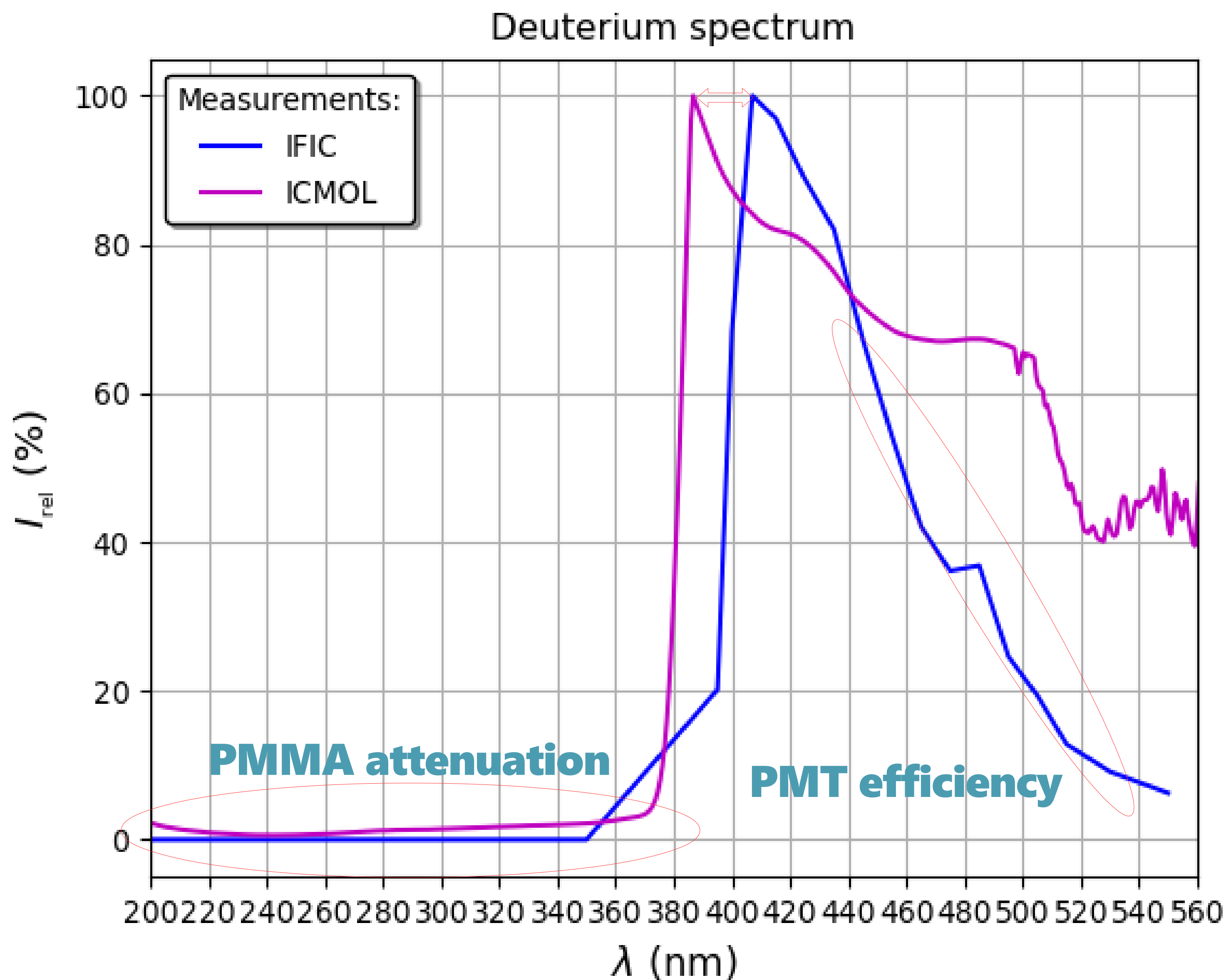
ALUMINIUM

- Good agreement at 450 nm.
- Reflectances values are consistent.
- 6 % of uncertainty at 350 nm.



RESULTS

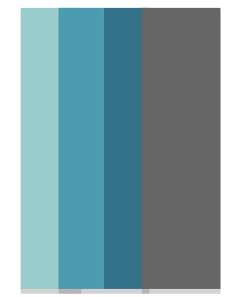
REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION



Wavelength shifting. About 20 nm.

PMT efficiency does not vary there.

Possible defect on the monocromator calibration.



NEXT STEPS

REFLECTIVITY MEASUREMENTS AND SETUP DISCUSSION

- Measurements at 245, 260, 285 nm with the monochromator for comparison with LEDs.
- Assemble a new setup with a PMT and monochromator.
- Compare both the photodiode and the PMT responses.