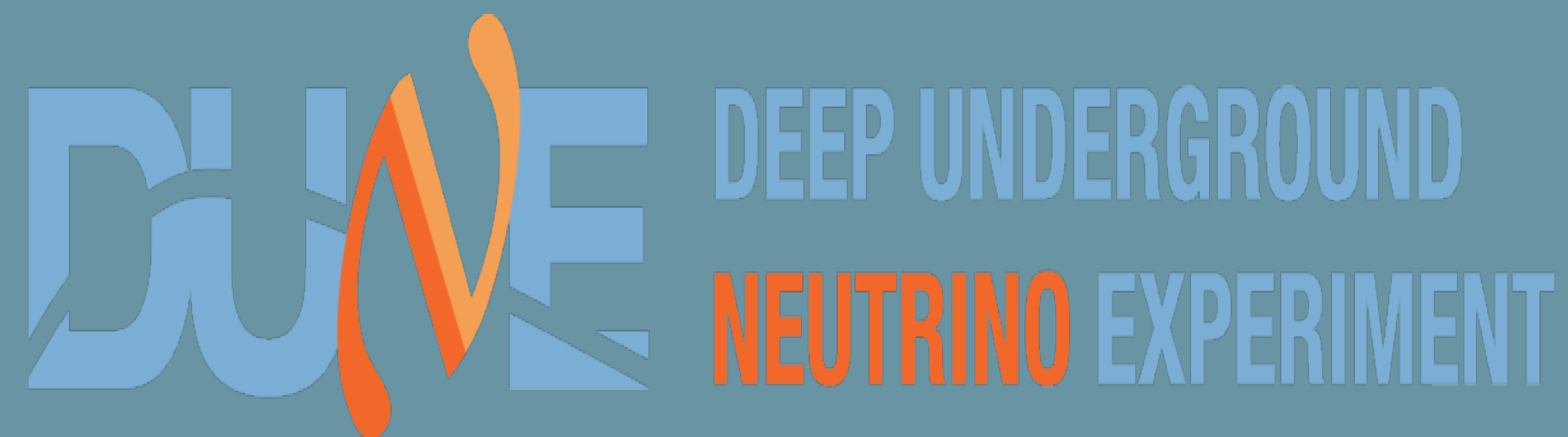


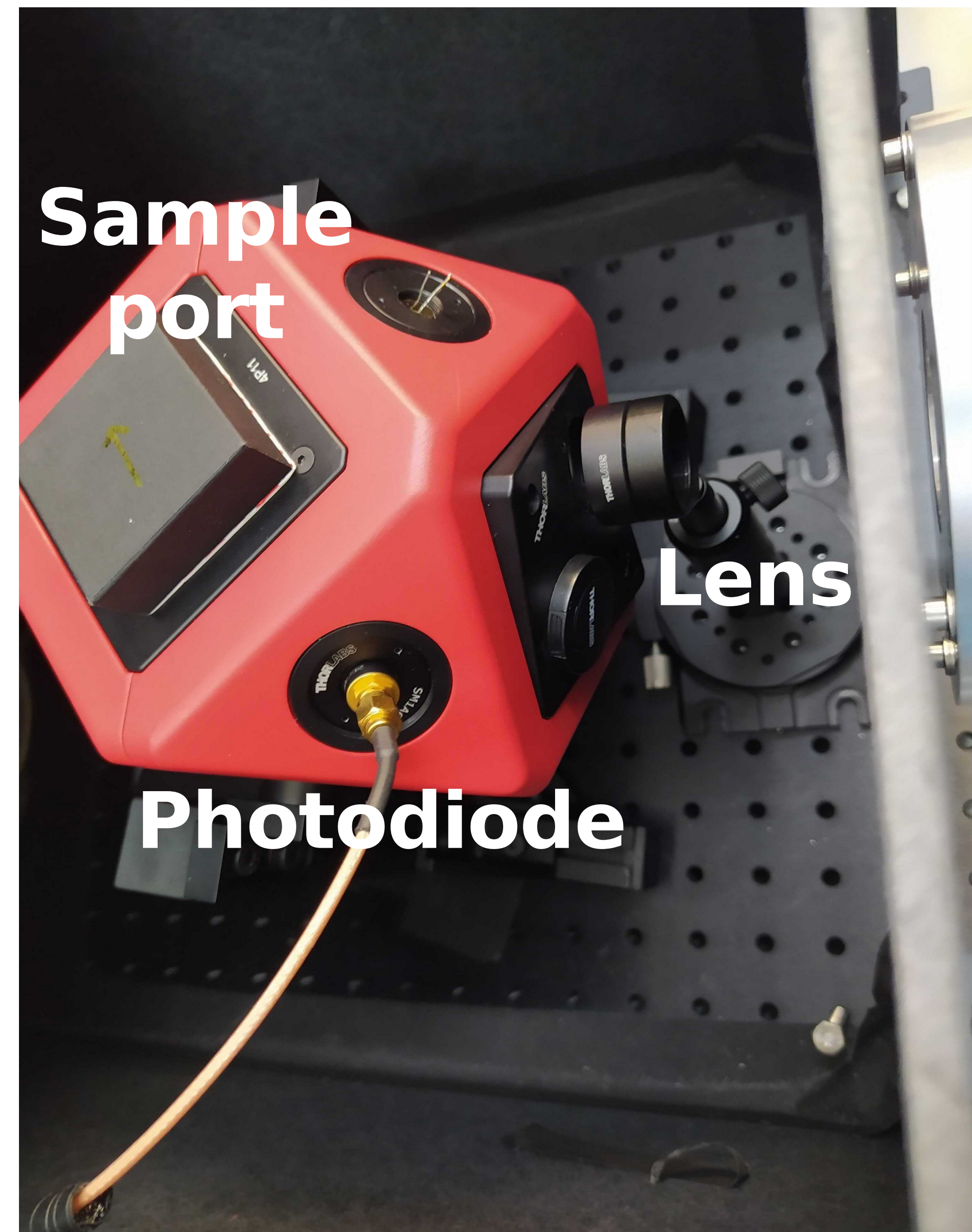
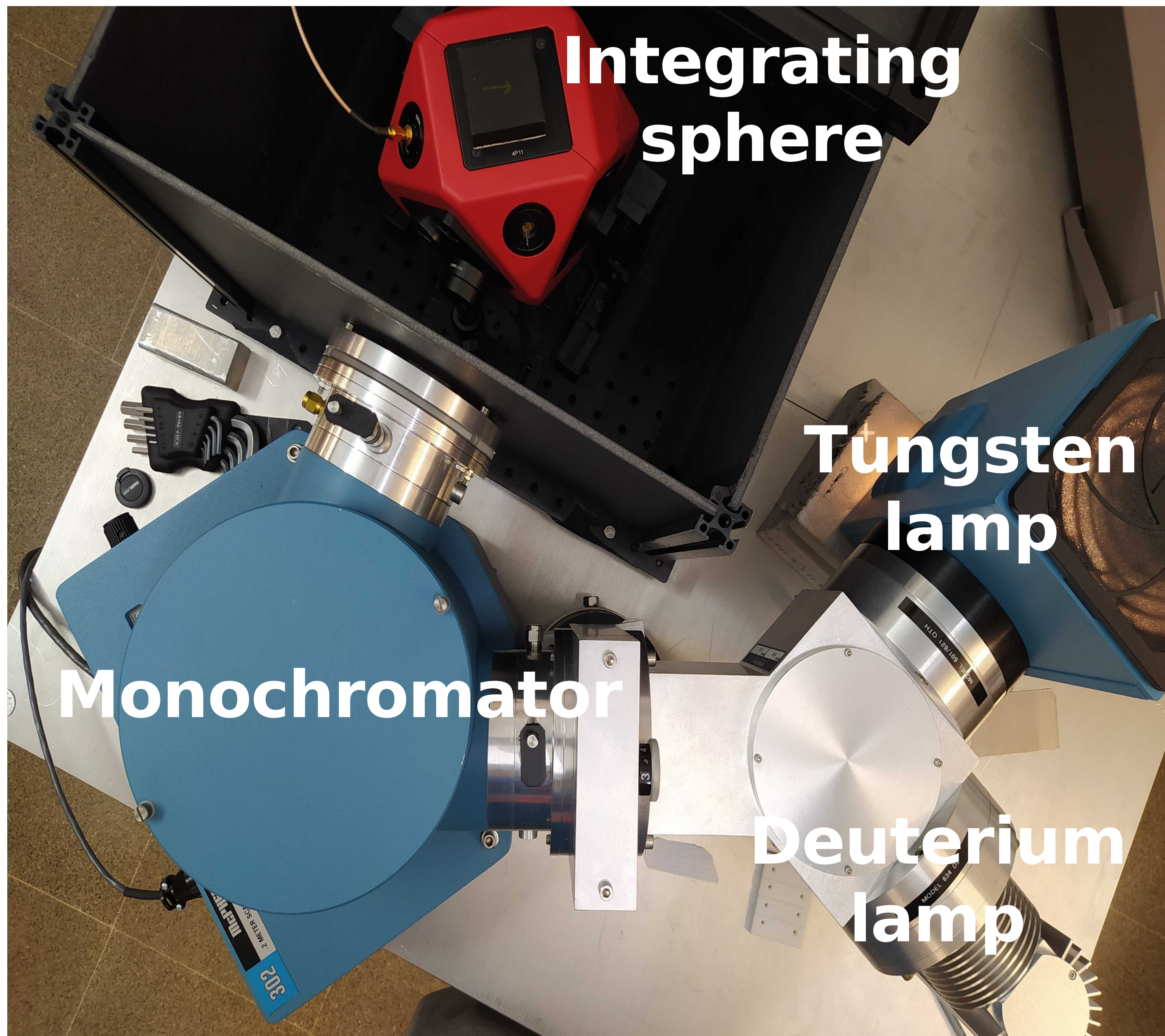
PLAN FOR REFLECTANCE MEASUREMENTS

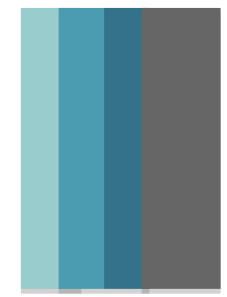
Hamza Amar Es-sghir



LATEST SETUP

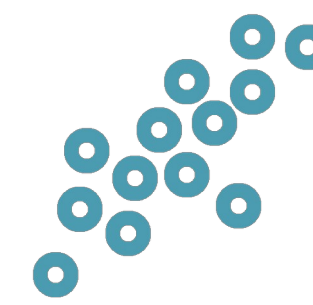
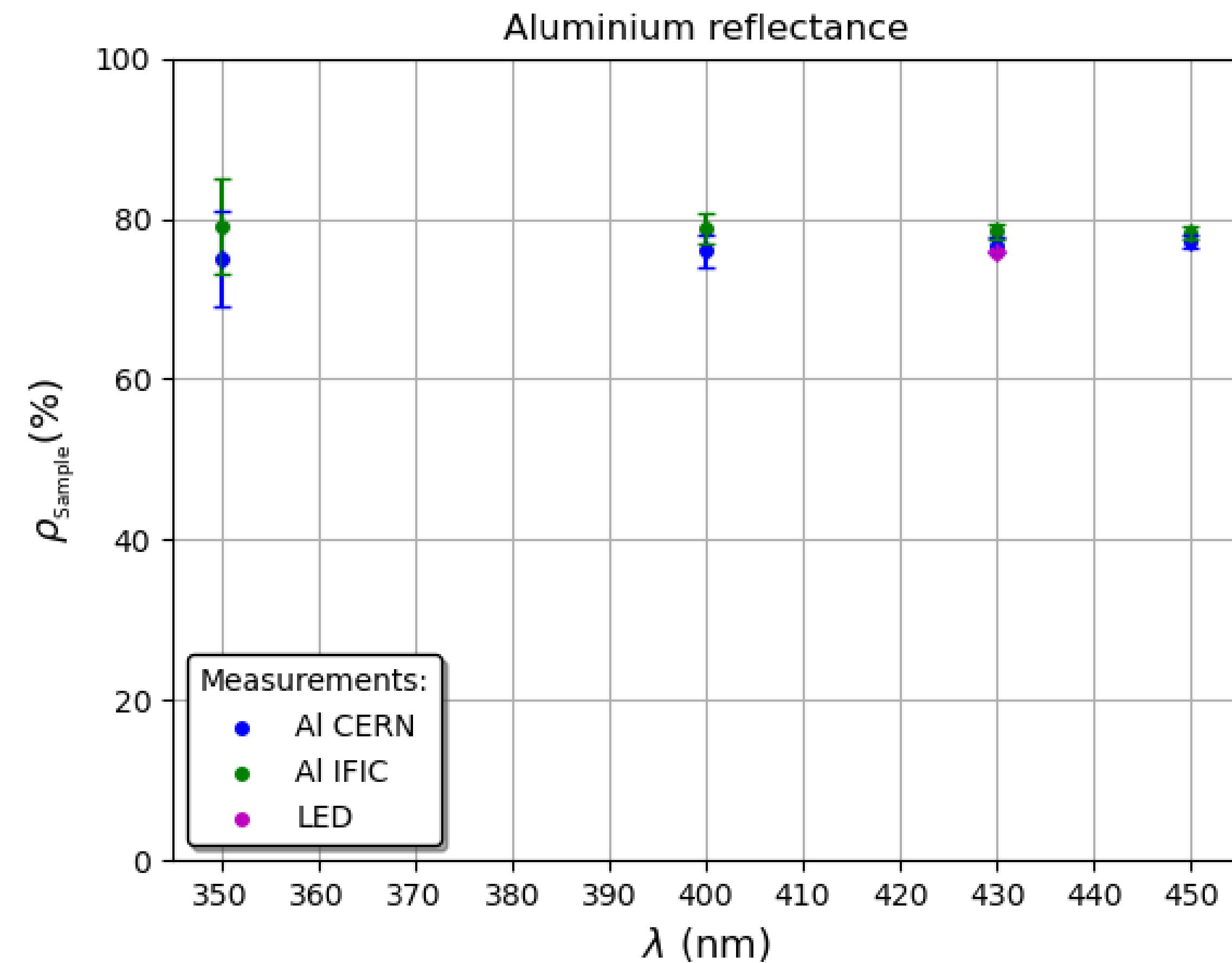
PLAN FOR REFLECTANCE MEASUREMENTS





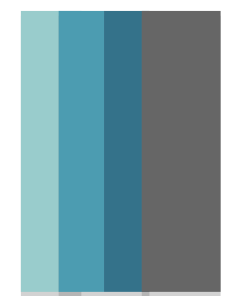
LATEST RESULTS

PLAN FOR REFLECTANCE MEASUREMENTS



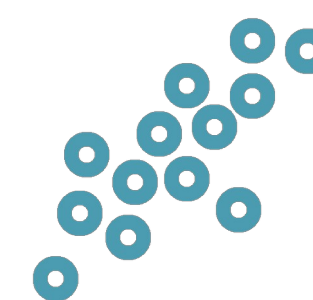
Photodiode

- 4 measurements with tungsten lamp.
- Only for both aluminium samples.
- Measurements with LED's taken in Dec.
- 245, 260, 285 & 430 nm. Cu & Al samples.



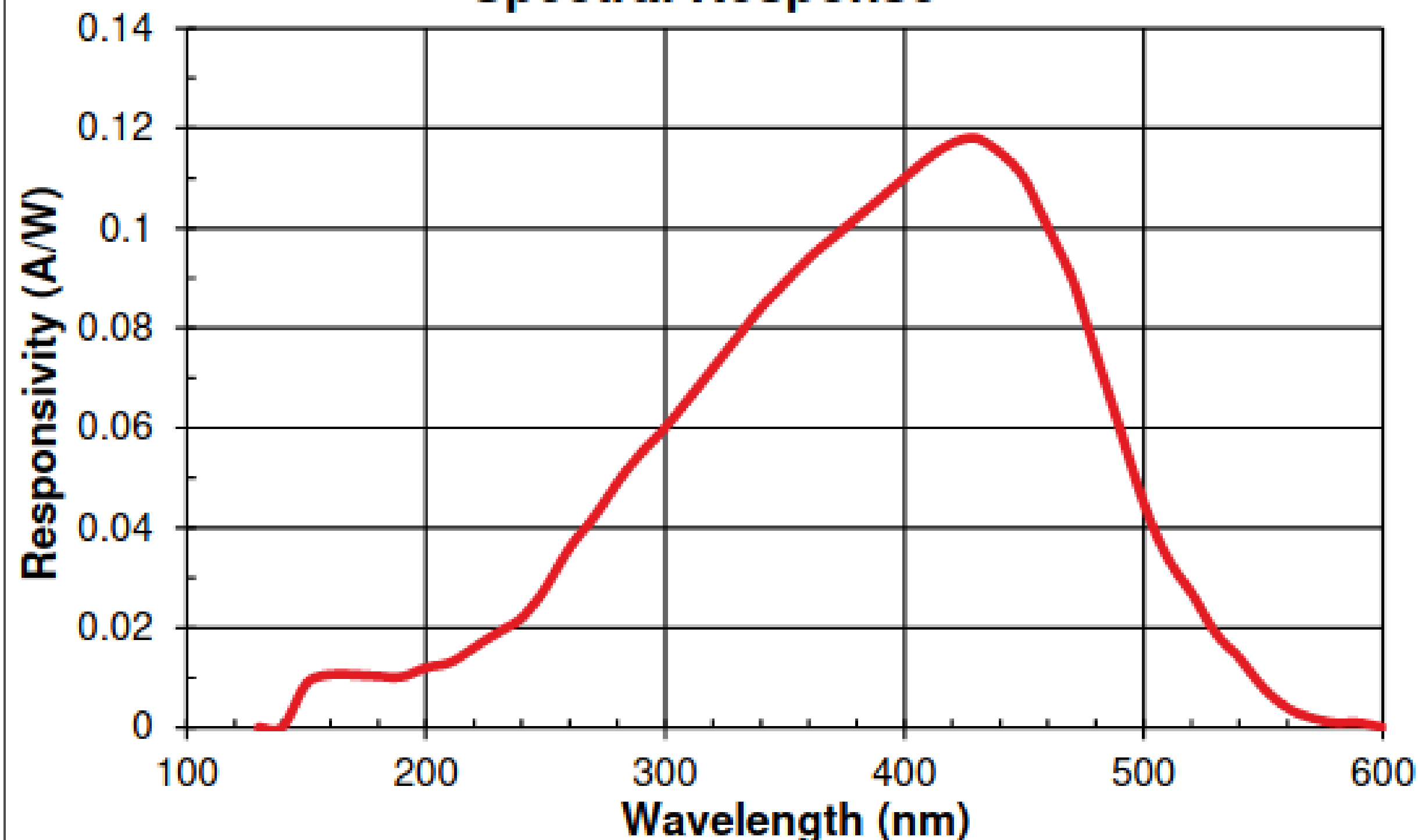
LATEST RESULTS

PLAN FOR REFLECTANCE MEASUREMENTS



Photodiode

Spectral Response

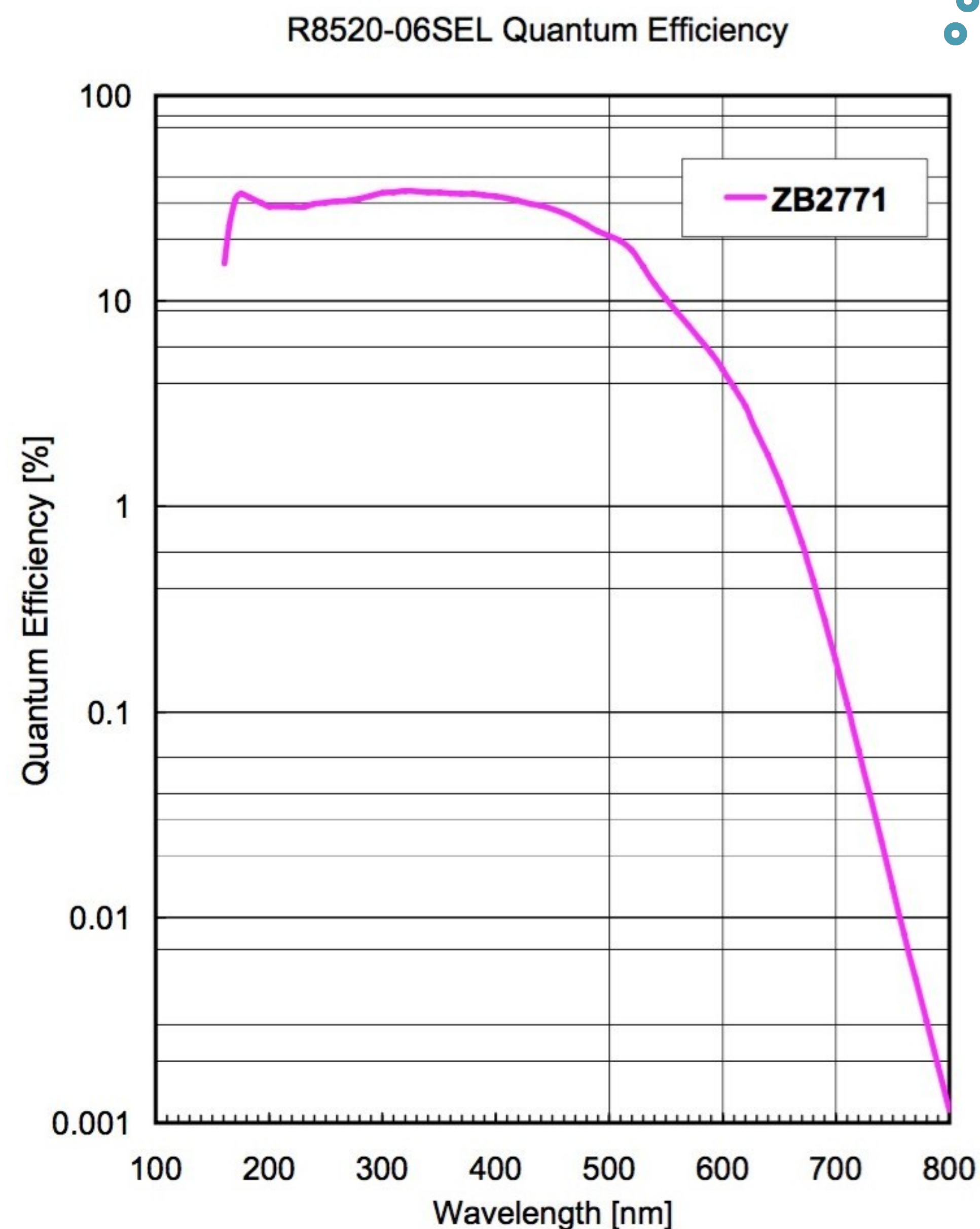


- 4 measurements with tungsten lamp.
- Only for both aluminium samples.
- Measurements with LED's taken in Dec.
- 245, 260, 285 & 430 nm. Cu & Al samples.
- Efficiency diminishes at the UV & VUV.



PLANS

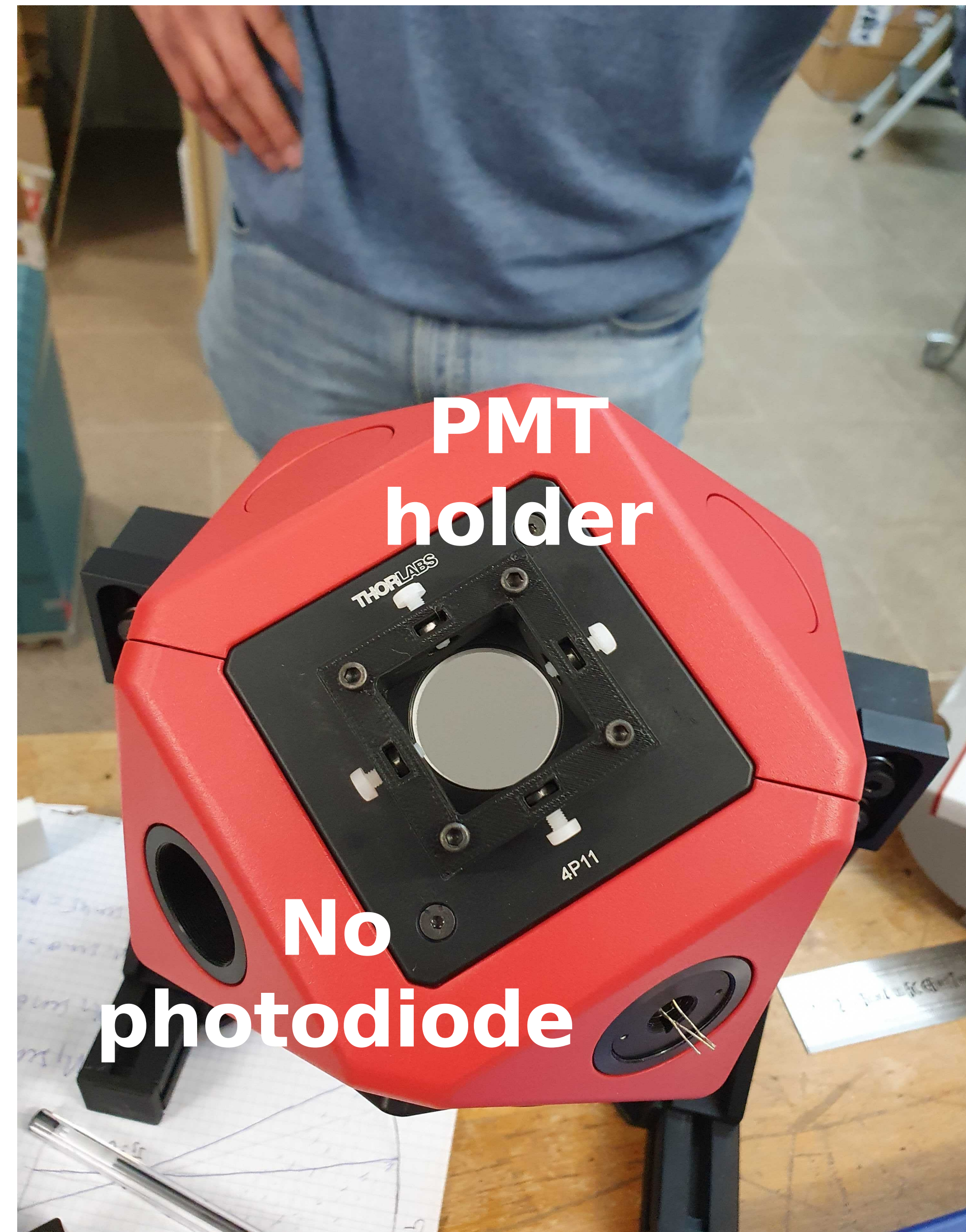
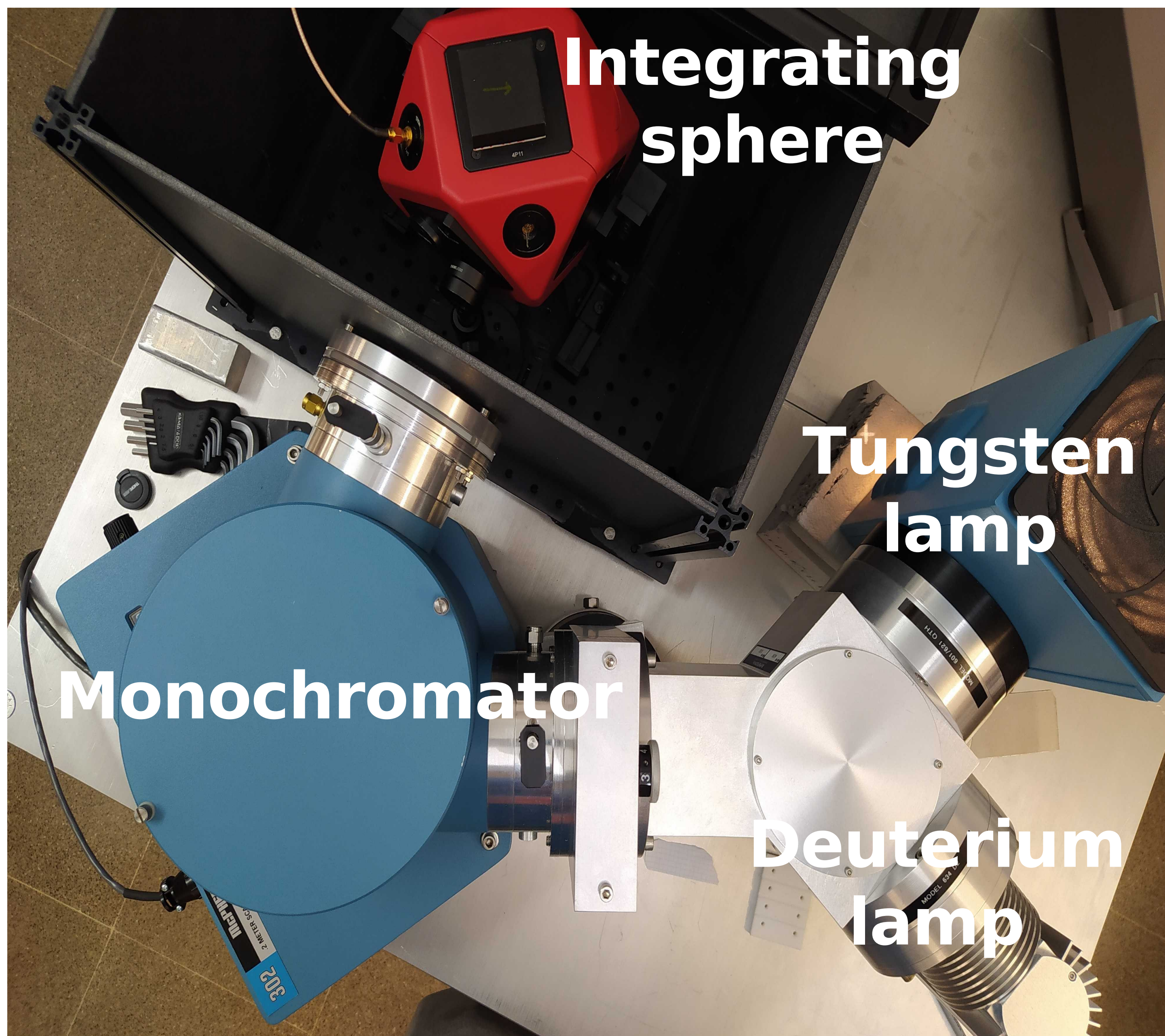
PLAN FOR REFLECTANCE MEASUREMENTS

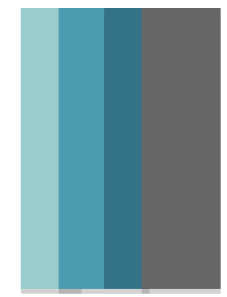


- Advantages: efficiency holds at UV & VUV.
- Goal: reflectance comparison between the PMT and the photodiode.
- Measurements with LED and monochromator to compare the result for a particular wavelength.

UPDATED SETUP

PLAN FOR REFLECTANCE MEASUREMENTS





NEXT STEPS

PLAN FOR REFLECTANCE MEASUREMENTS

- Reflectance measurements in air. Between 250 – 500 nm with the tungsten lamp and PMT.
- At 245, 260, 285, **325** & 430 nm with LED's.
- Both slits completely open and without collimation.
- Samples: Cu, Al CERN, Al IFIC & Al profile from the field cage.