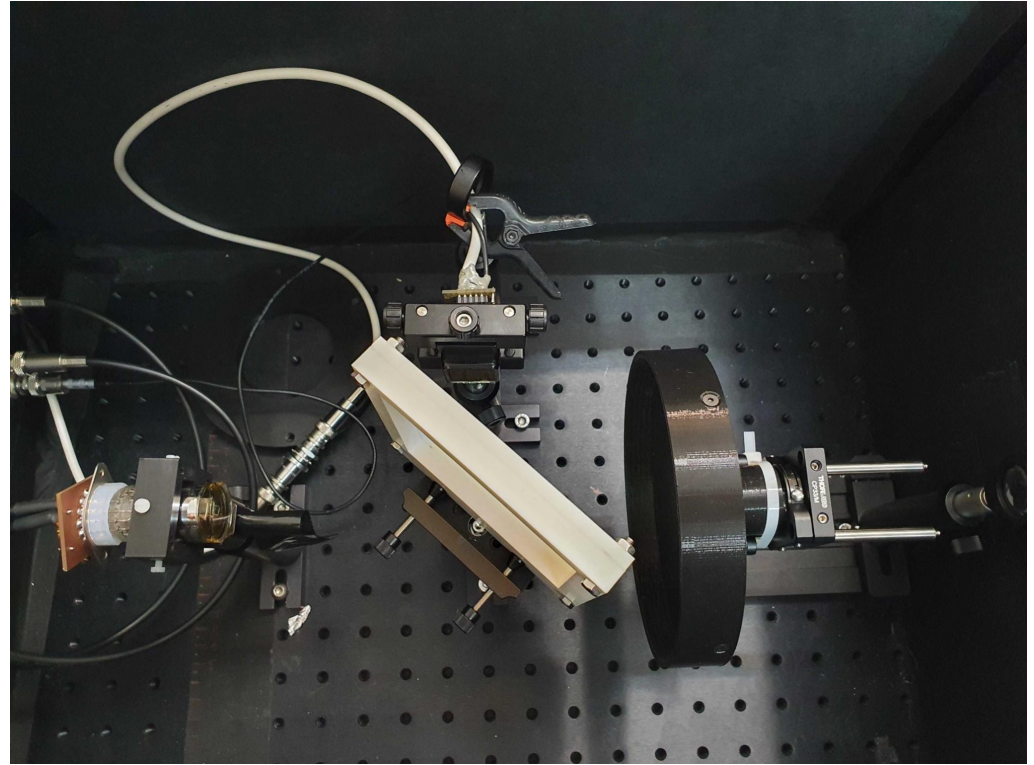
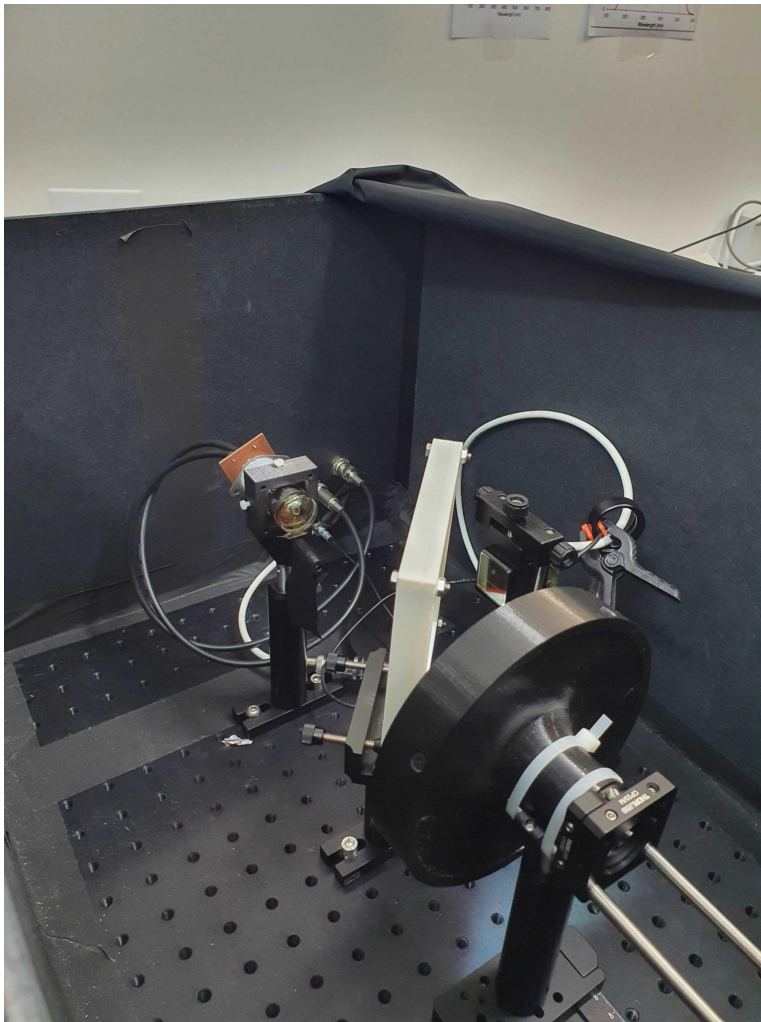


Update on PE Dichroics

Dichroic Filters' Set 2

Hamza and Anselmo

Set-Up to measure both transmission and reflection:
square-PMT measuring reflection and circular-PMT
measuring transmission $\rightarrow 45^\circ$



New adapters to the methacrylate box are already built and tested that work properly.

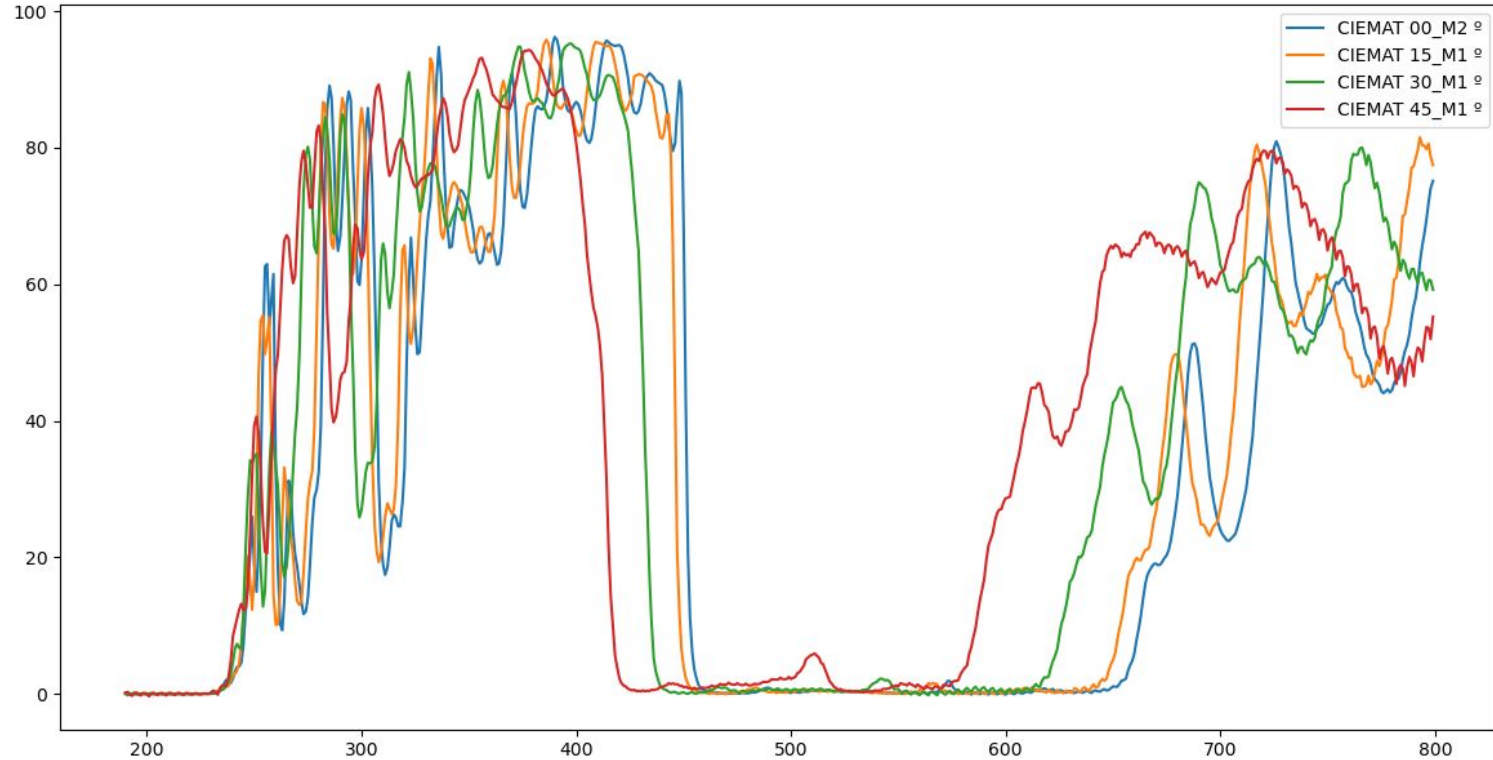
Feedthrough

Adaptor to MC



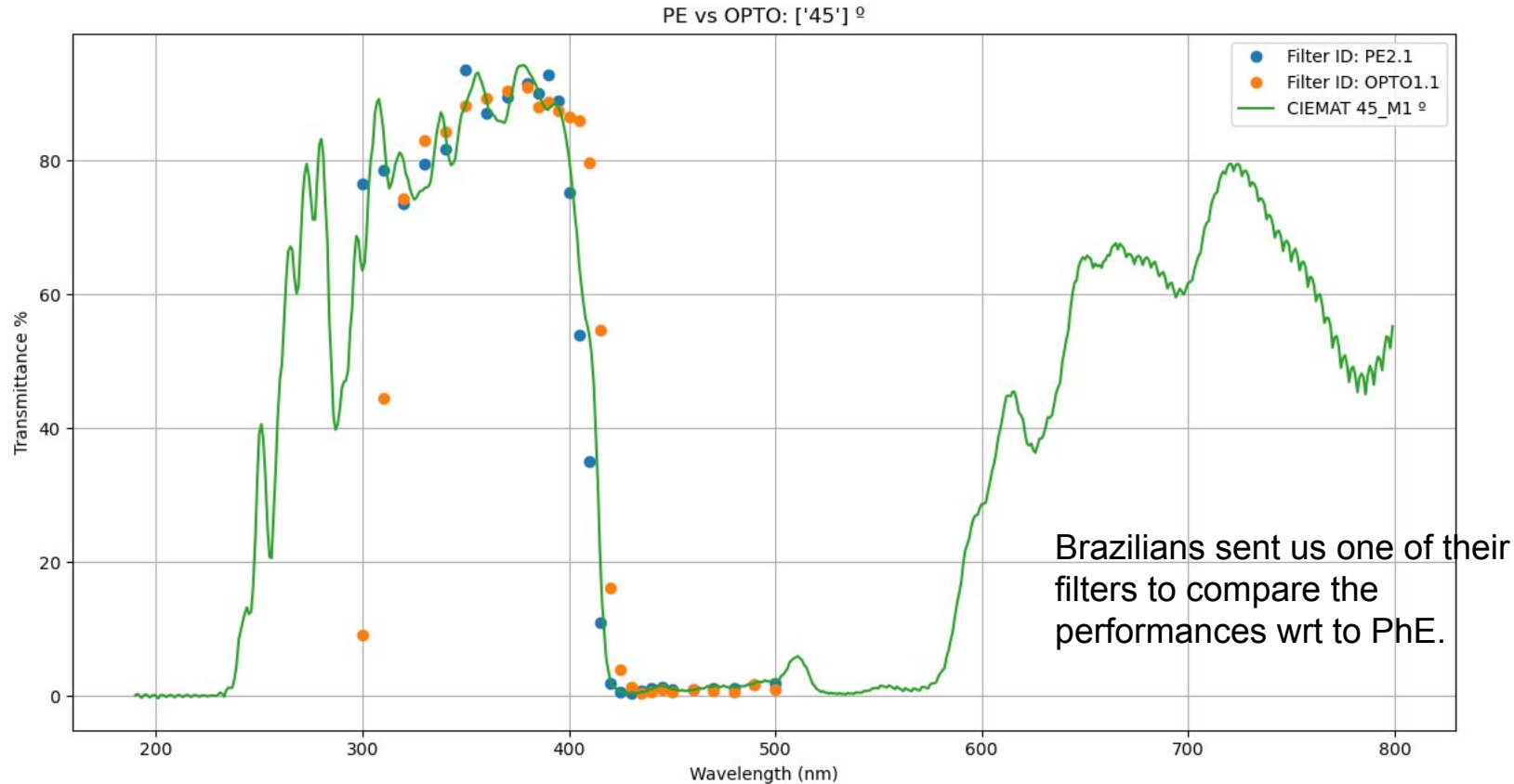


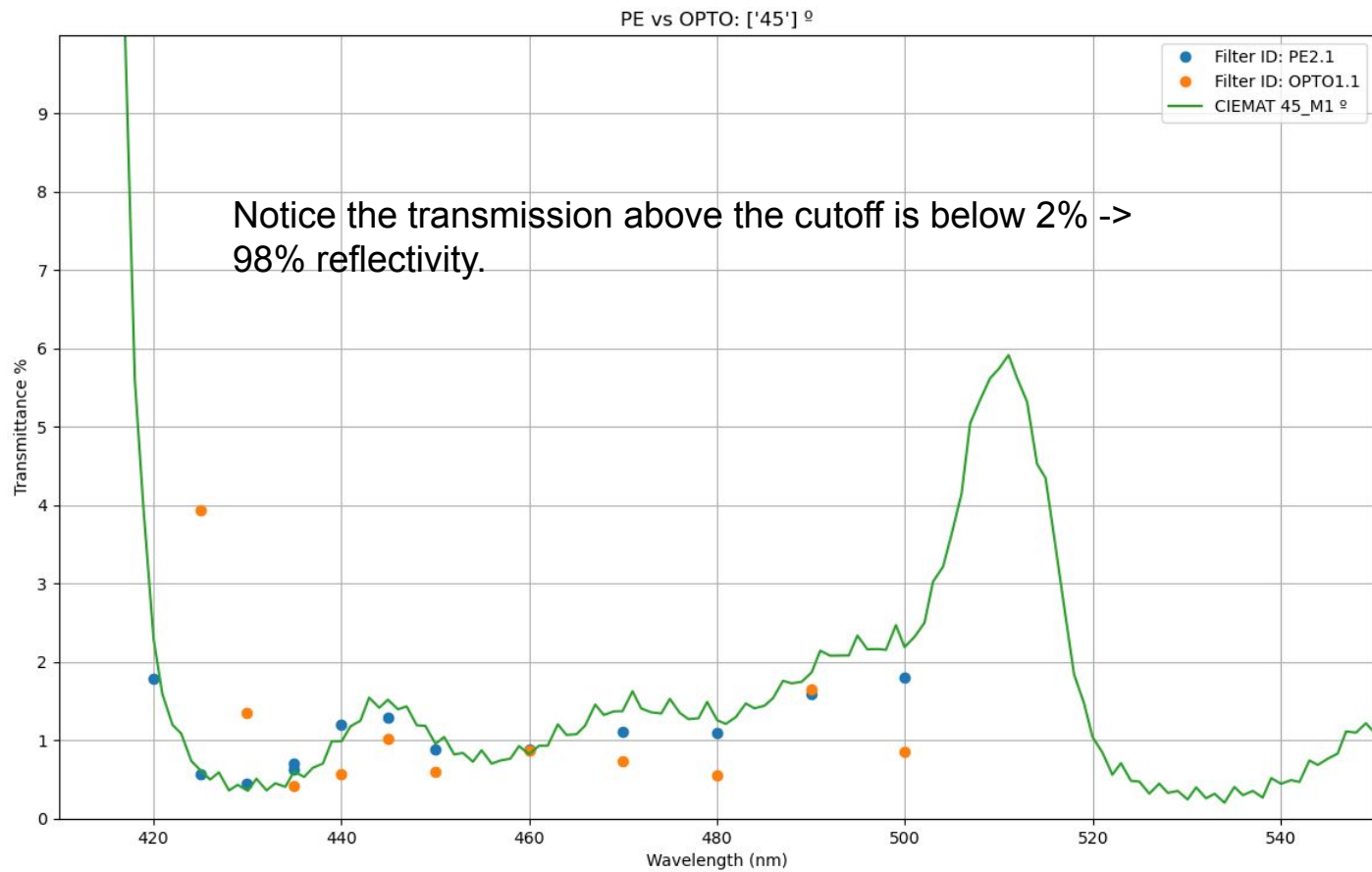
CIEMAT's measurements with spectrophotometer ->
PhotonExport filters Set 2 -> 70 layers



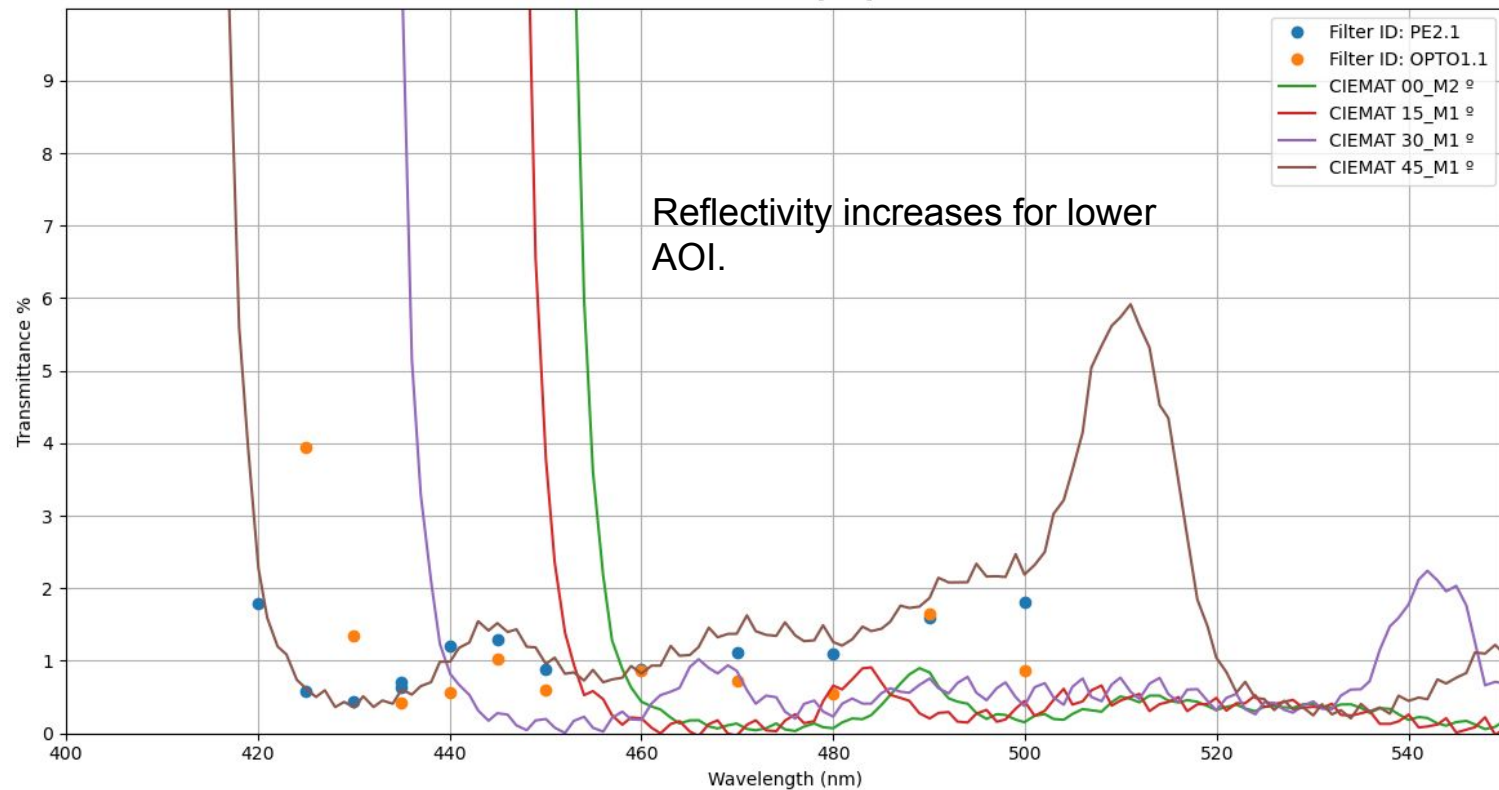
Find the formula that relates the position of the cutoff with the AOI

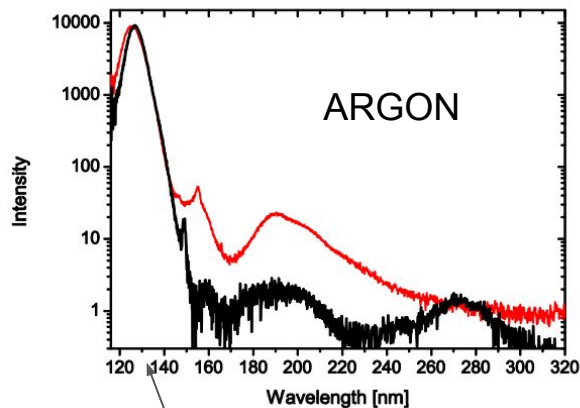
Comparison of measurements taken at IFIC wrt CIEMAT's





PE vs OPTO: ['45'] °

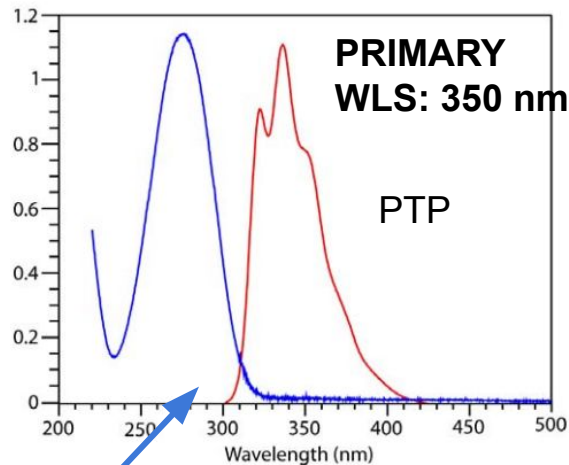
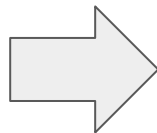




INITIAL WL: 127 nm

CONCLUSION

We need to let enter above 300 nm
and not let escape above 400 nm

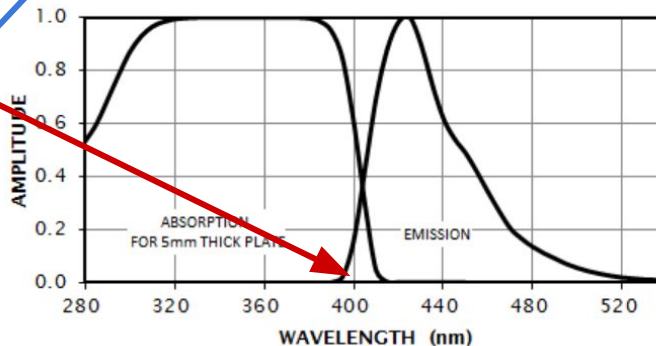


We want to
let enter the
light
produced in
the PTP
(from 300
nm)



SECONDARY
WLS: 430 nm

EJ-286 OPTICAL SPECTRA



We want to
trap the light
produced in
the WLS (up
to 520 nm)