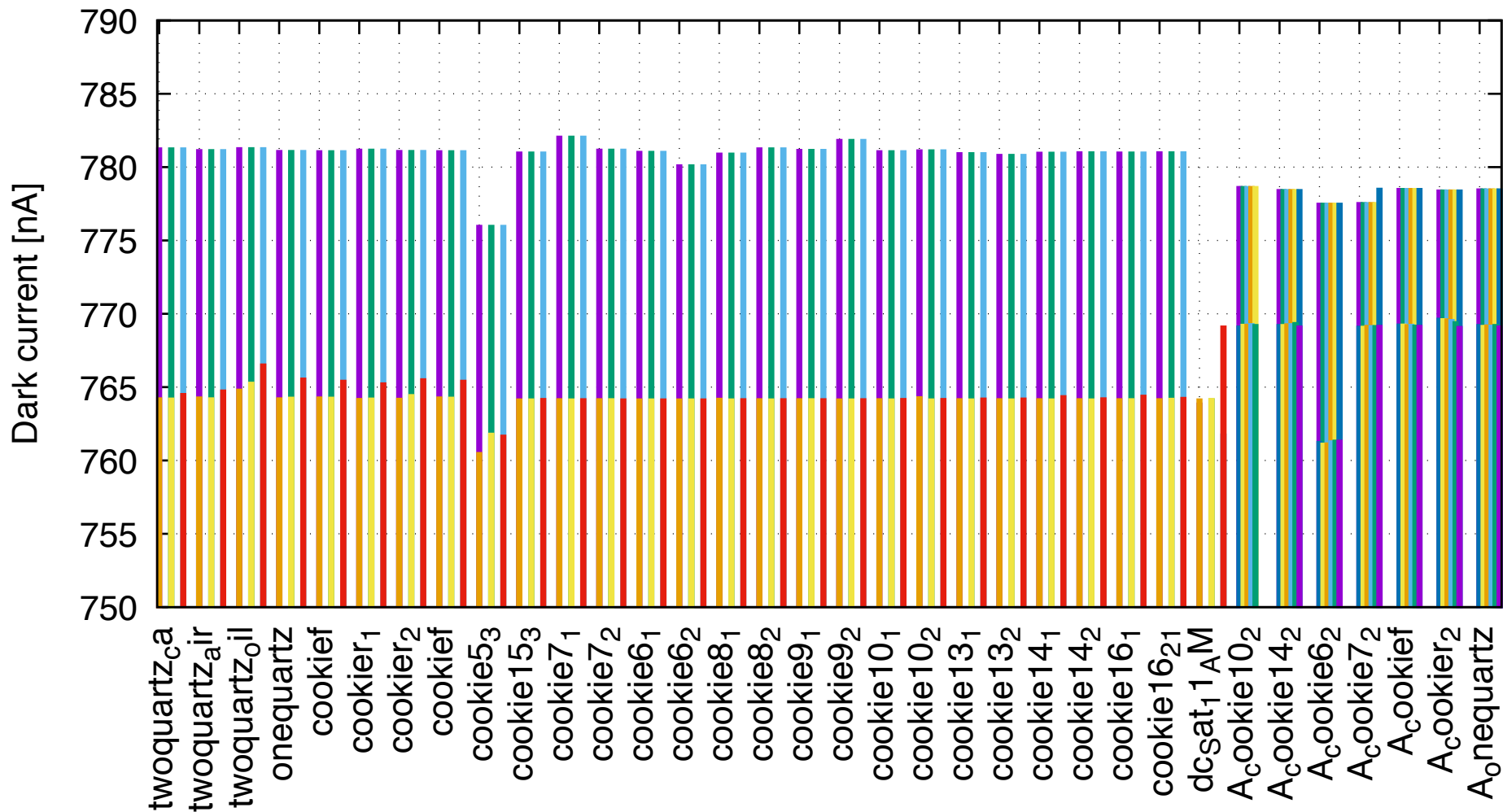


Transmission of cookies

Updated dark current

Maria Patsyuk

Dark current

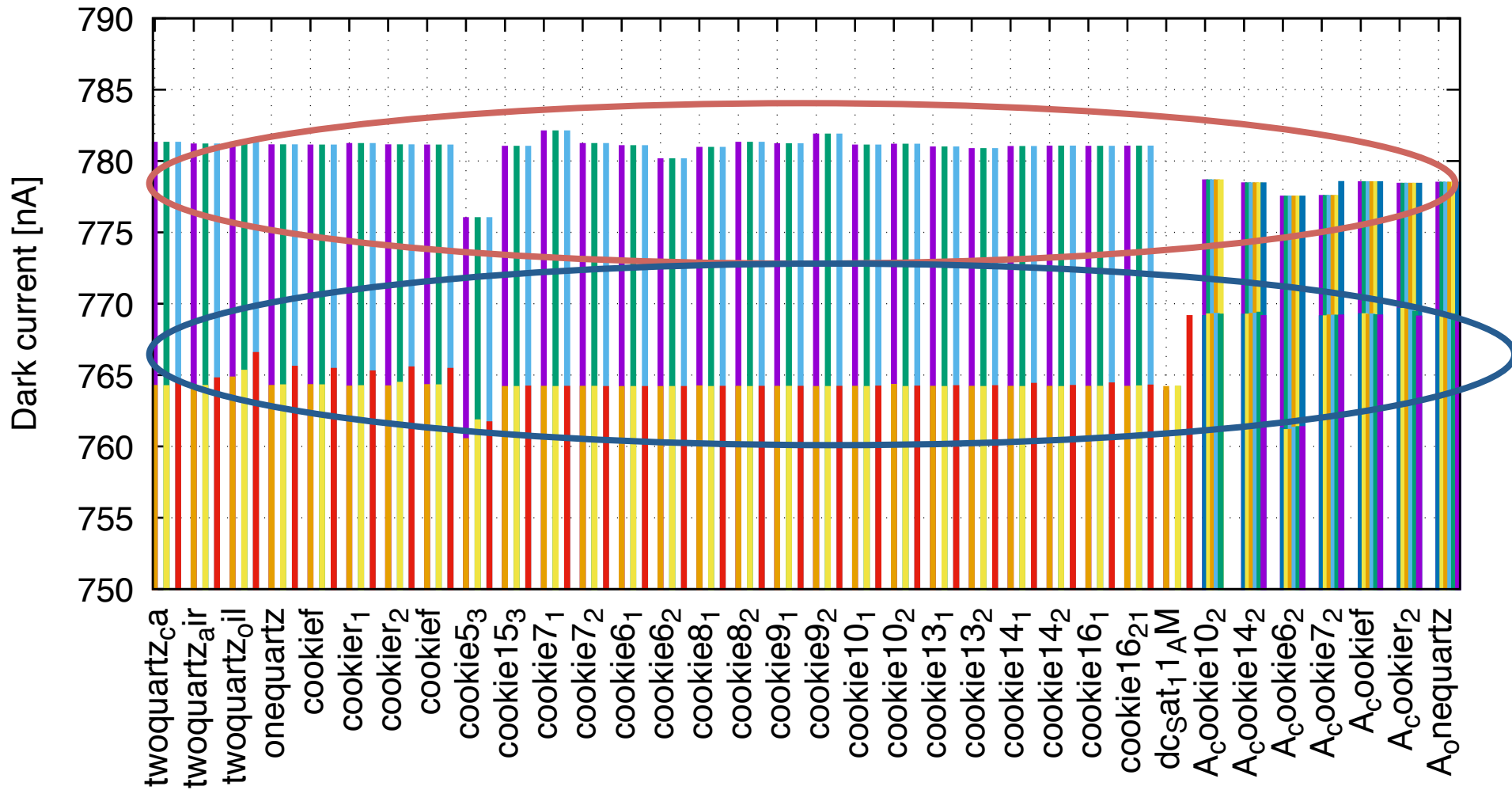


3 measurements for each cookie

5 angles for each cookie

Dark current = measurement at 200 nm

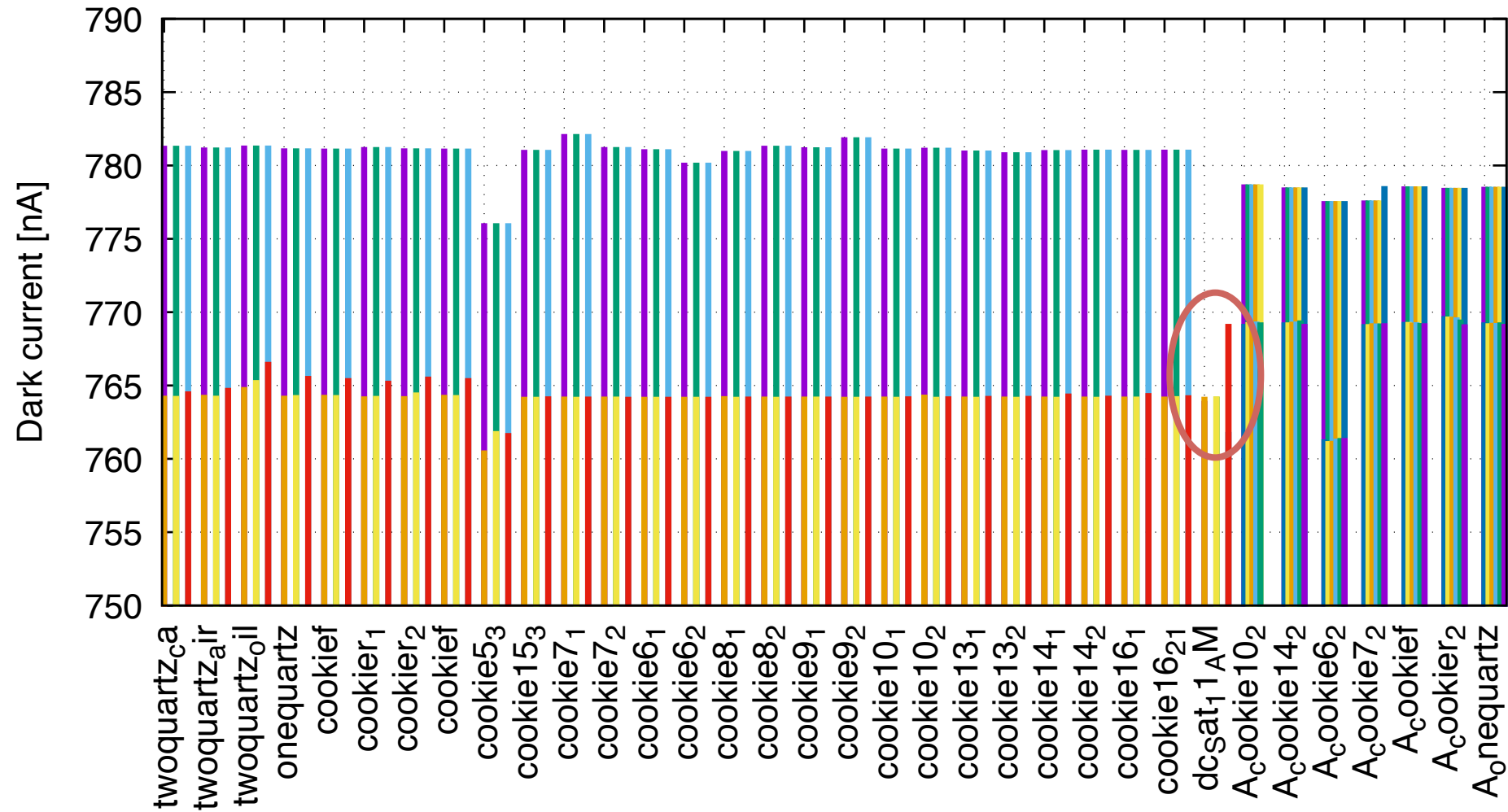
Dark current



Reference measurement – sample was retracted from the beam

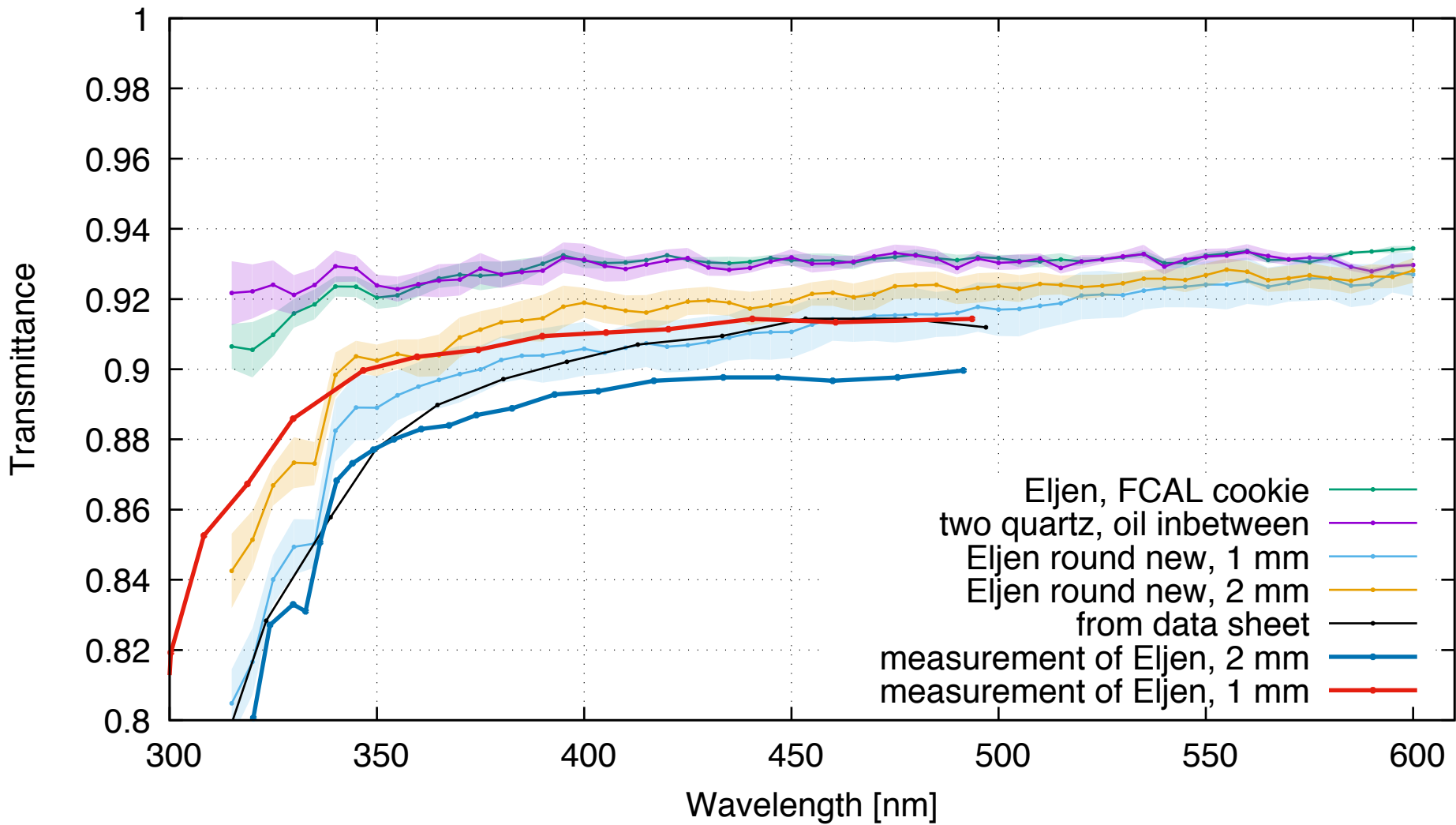
Signal measurement – sample was in the beam

Dark current

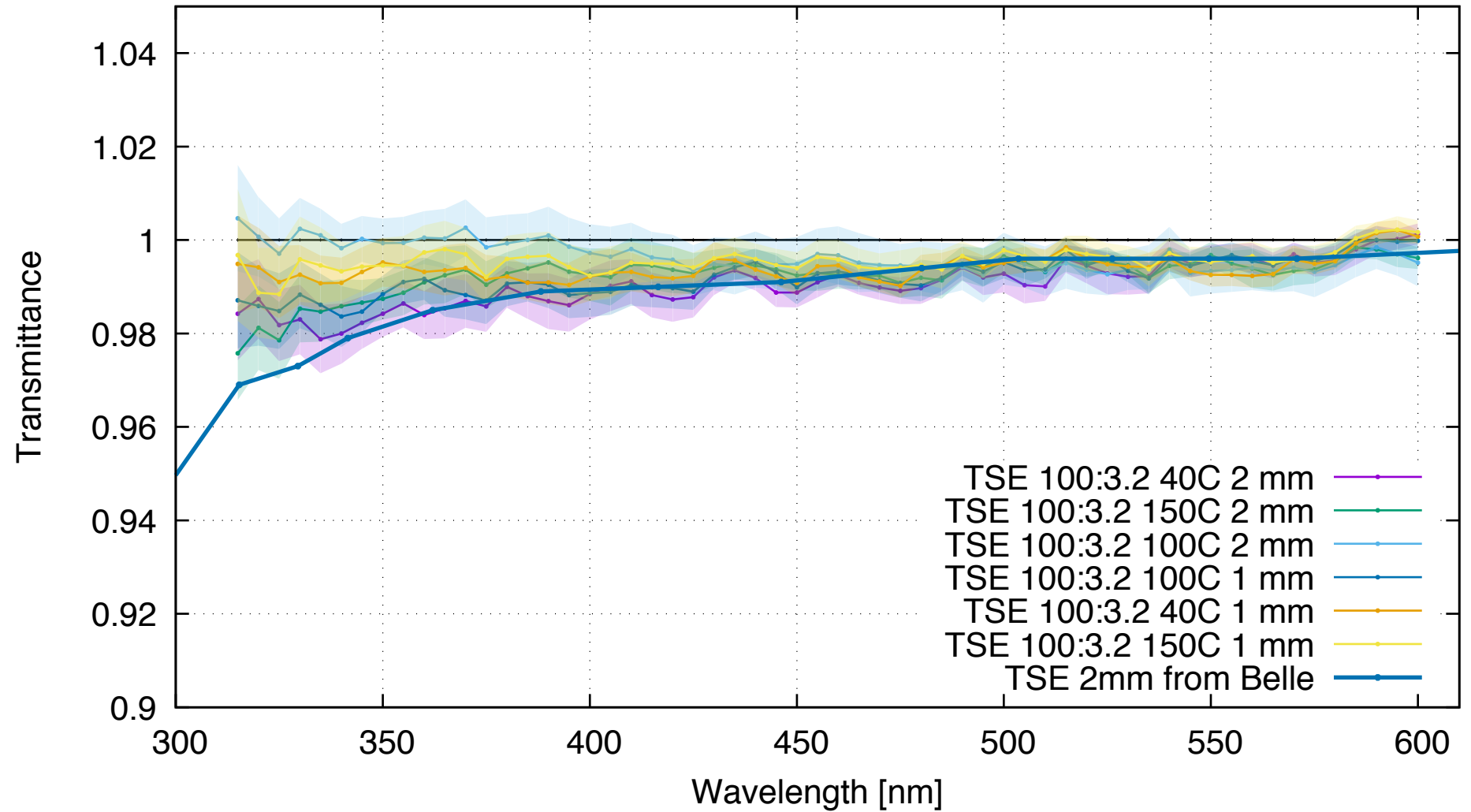


Dedicated measurement of the dark current

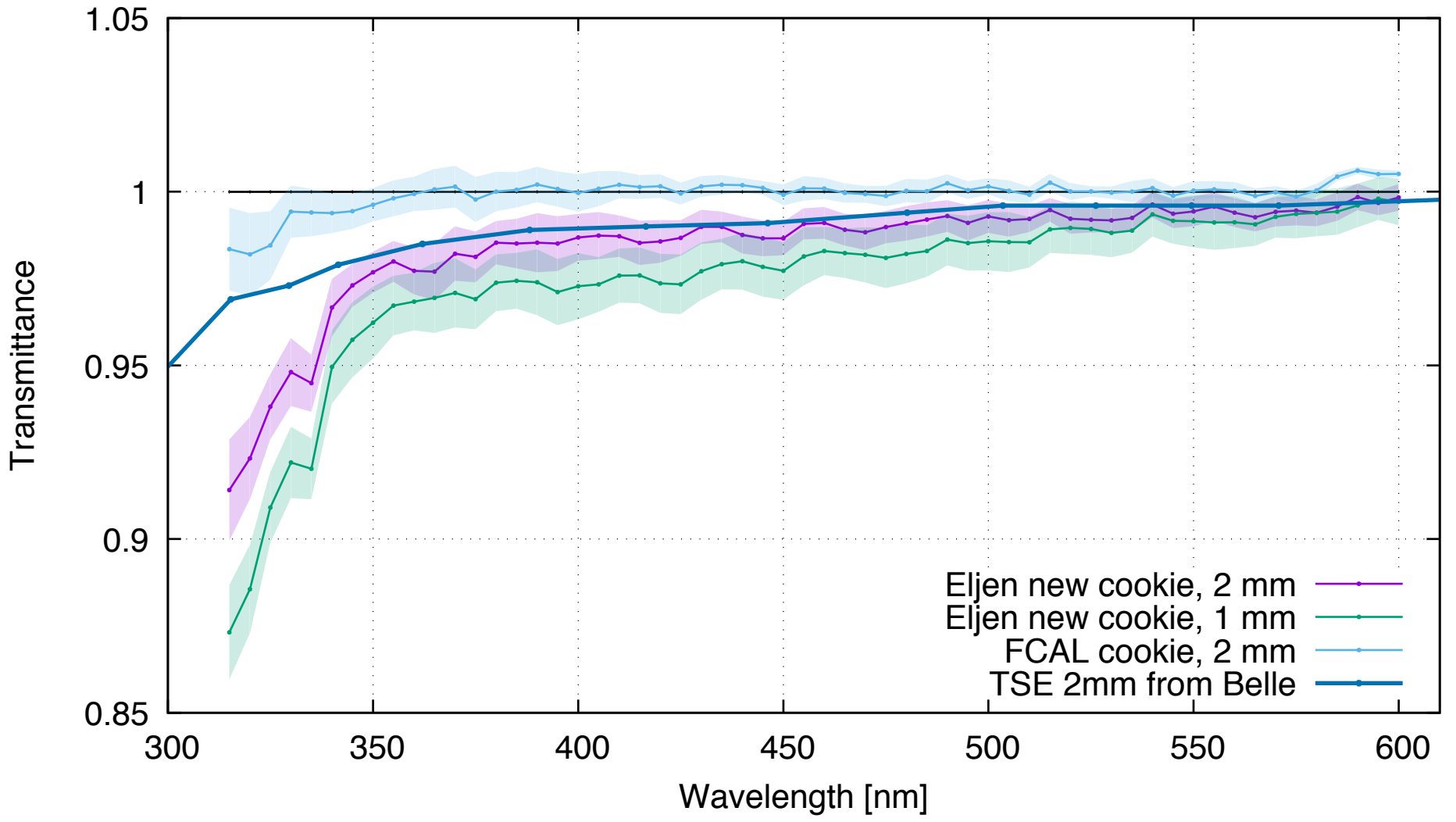
Premade cookies



Relative to two quartz windows with oil inbetween



Relative to two quartz windows with oil inbetween



Conclusions

- Dark current taken as measurement at 200 nm gives stable results
- Light seems to be transversely polarized (better transmission for shallower angles)
- Statistical error due to cleaning/storing of cookies of about 4%, within this error results agree with published/manufacture's data
- Our cookies have $> 97\%$ relative transmittance for [300, 600] nm
- Eljen560 cookies have 5-10% lower transmittance than ours below 400 nm
- Looking forward to Greg's results on transmission (he got the samples)

Plans

- Ordered Eljen pre-made optical interface sheets
- Ordering RTV615