

USER MEETING 2022

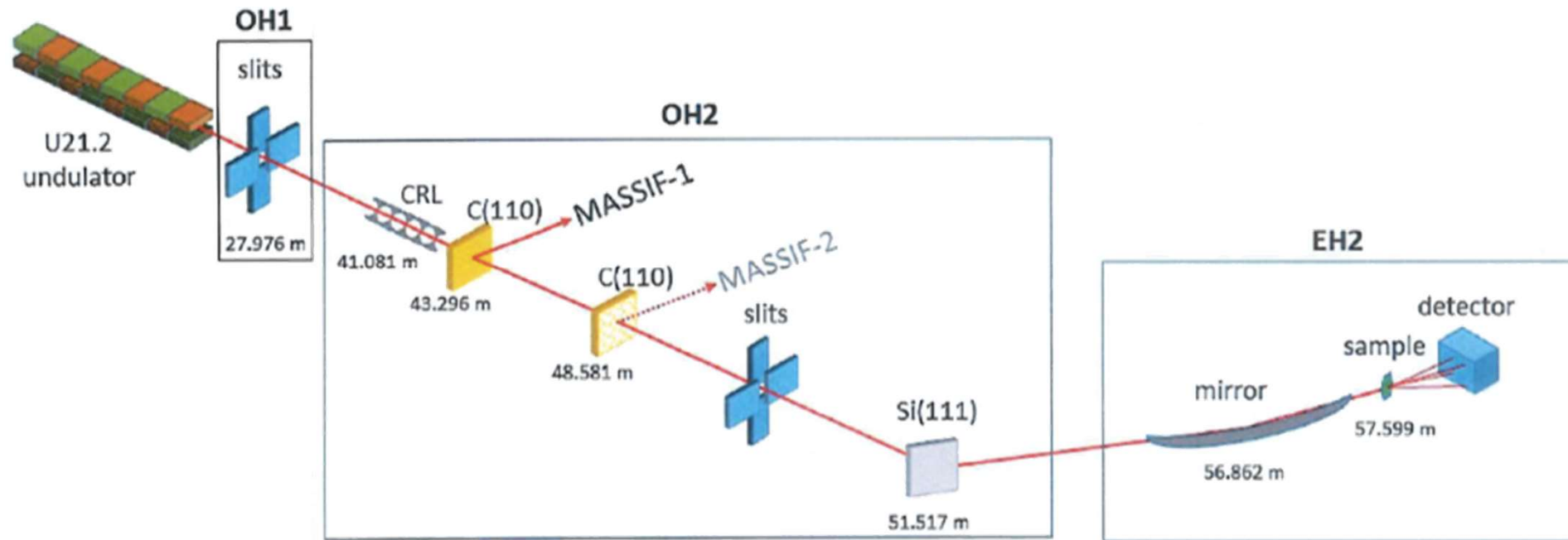
BAG Meeting



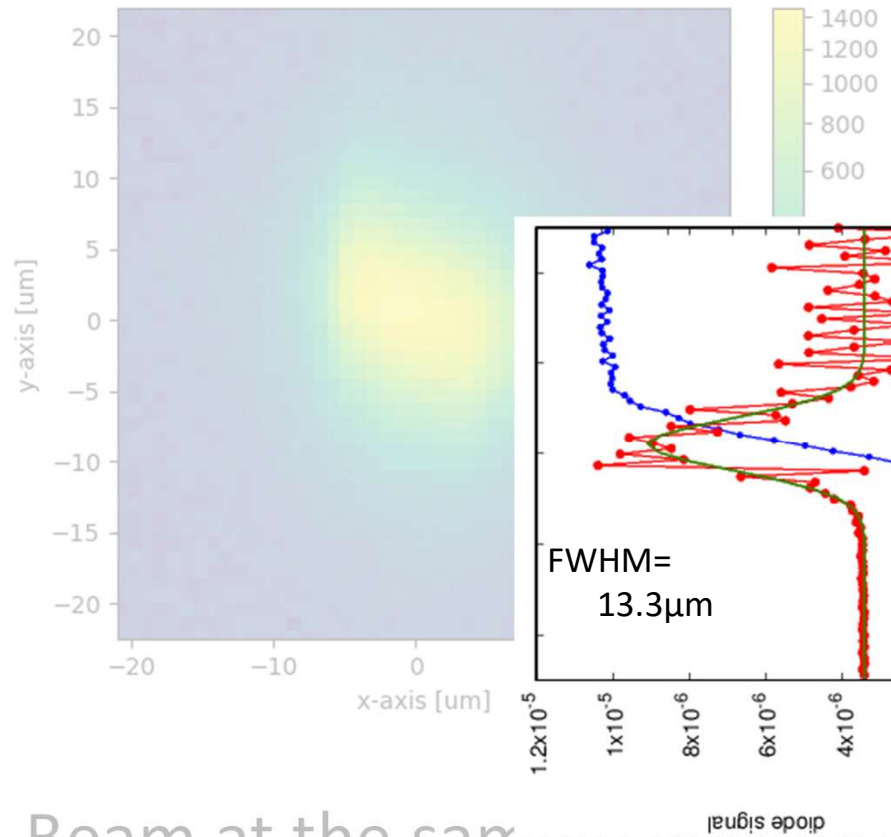
MASSIF-3

OPTICAL SETUP OVERVIEW

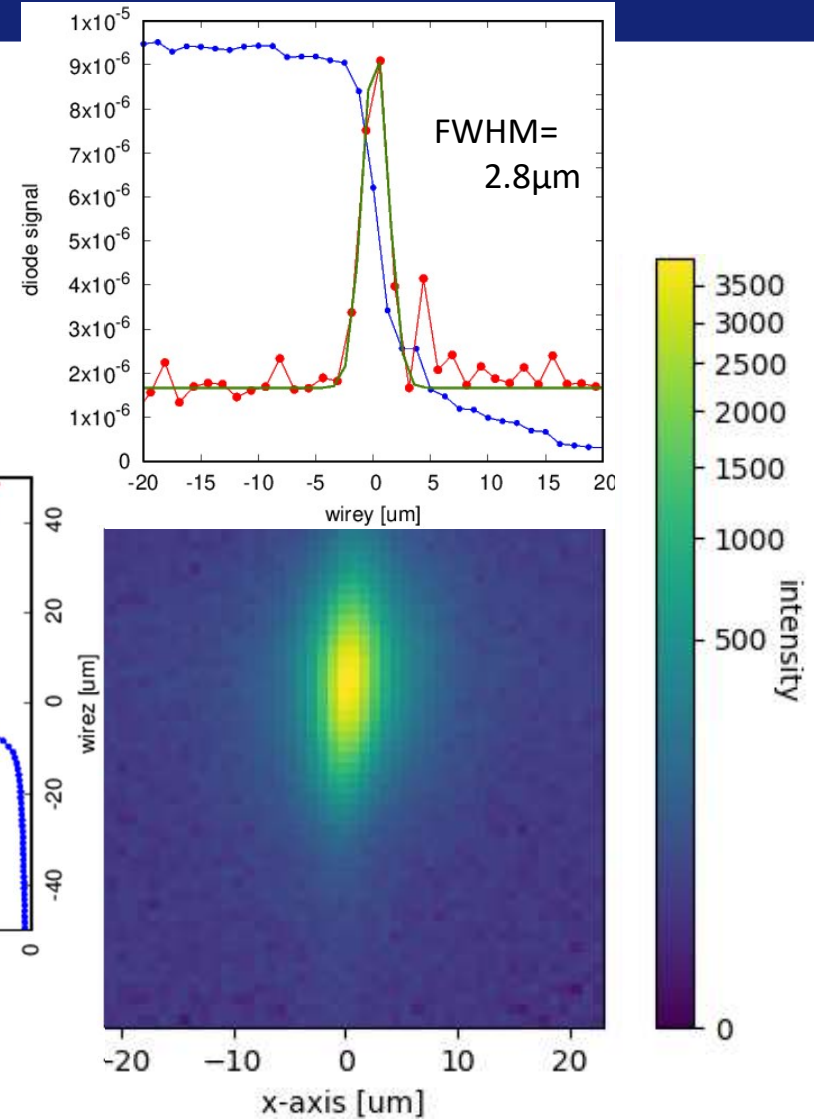
vertical focusing via fixed 1D CRL (common ID30A-1 and ID30A-3)
horizontal focusing via horizontal KB mirror



BEAM PROFILE

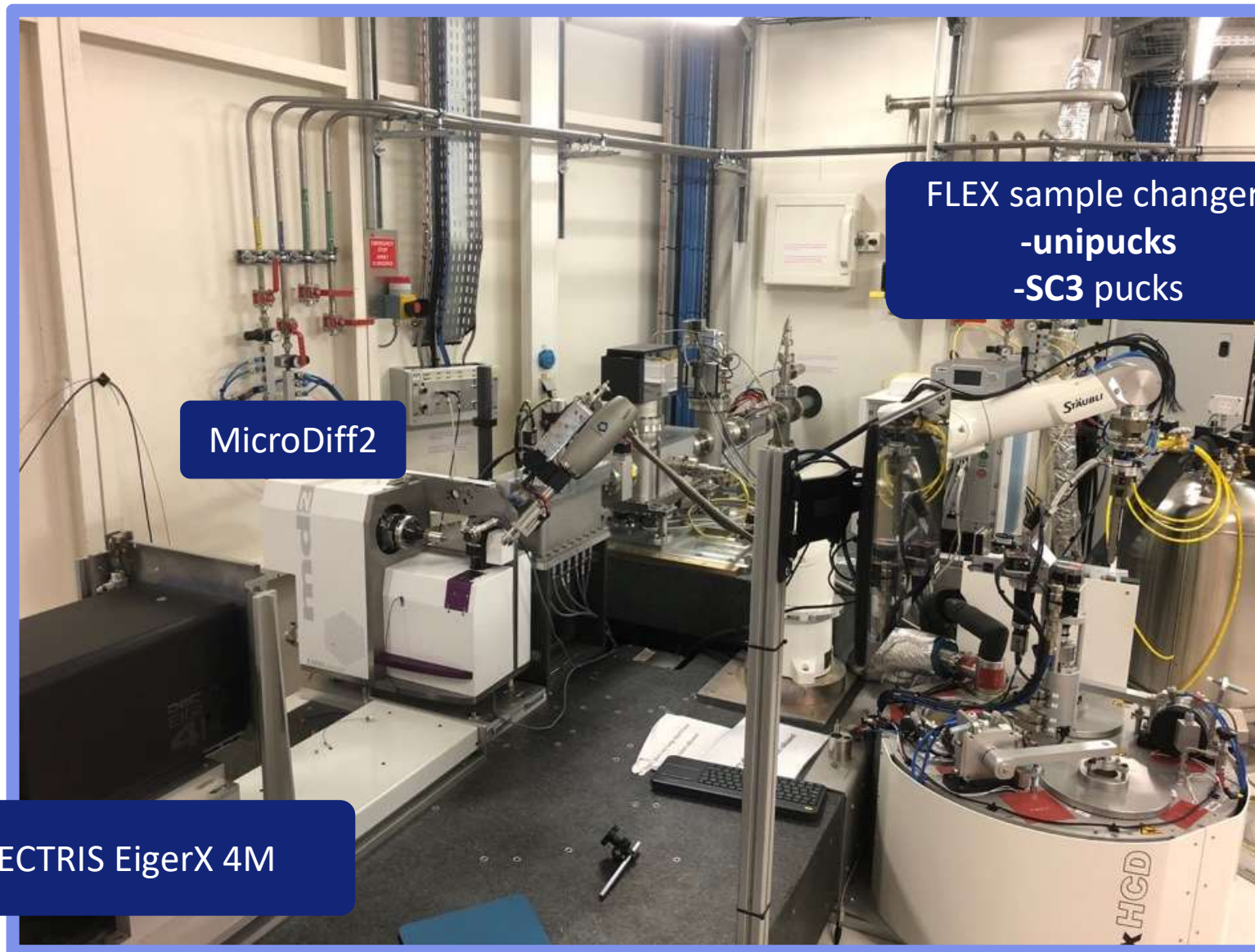


Beam at the sample position



Beam at horizontal focus

EXPERIMENTAL SETUP OVERVIEW

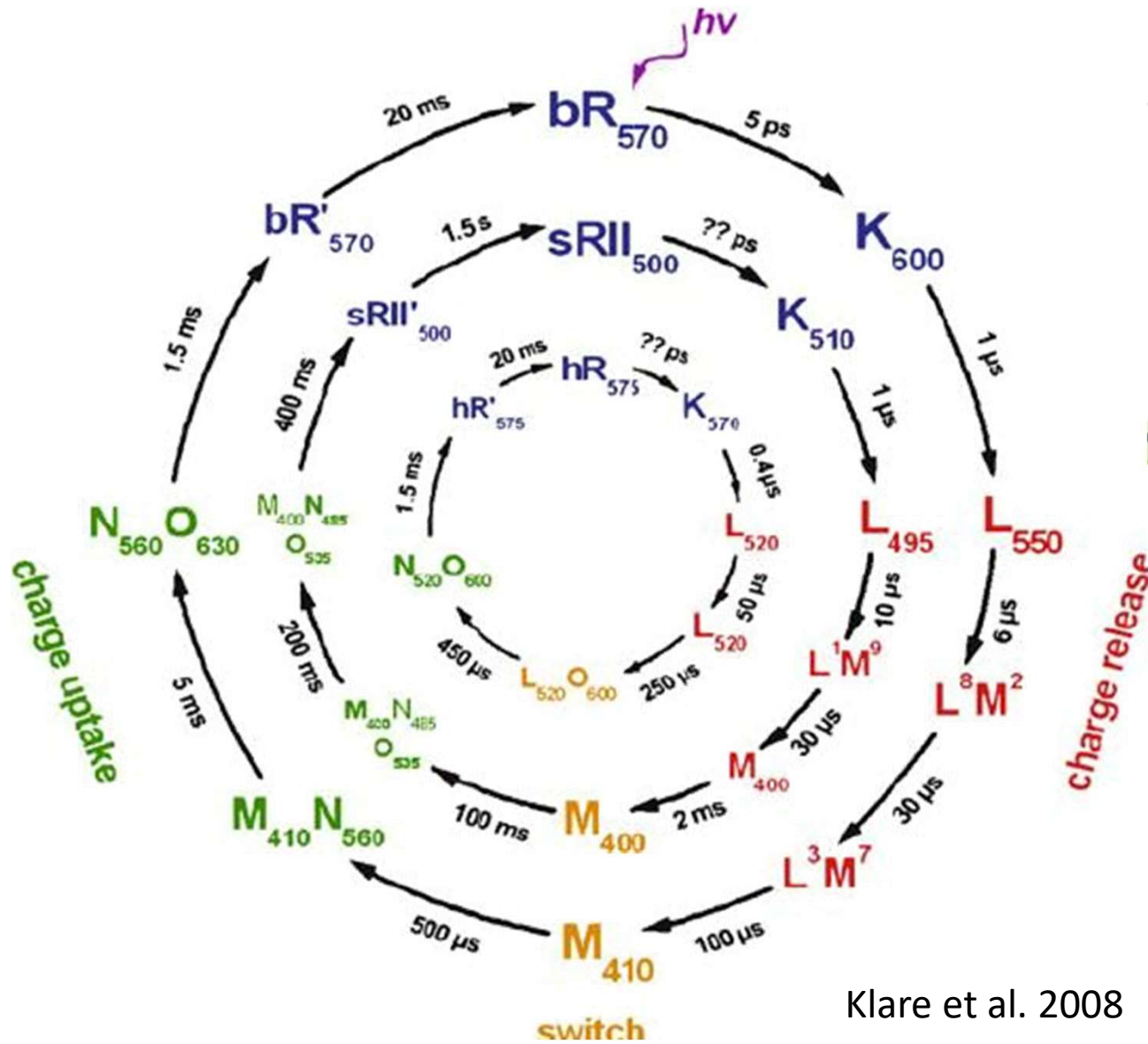


FLEX sample changer:
-unipucks
-SC3 pucks

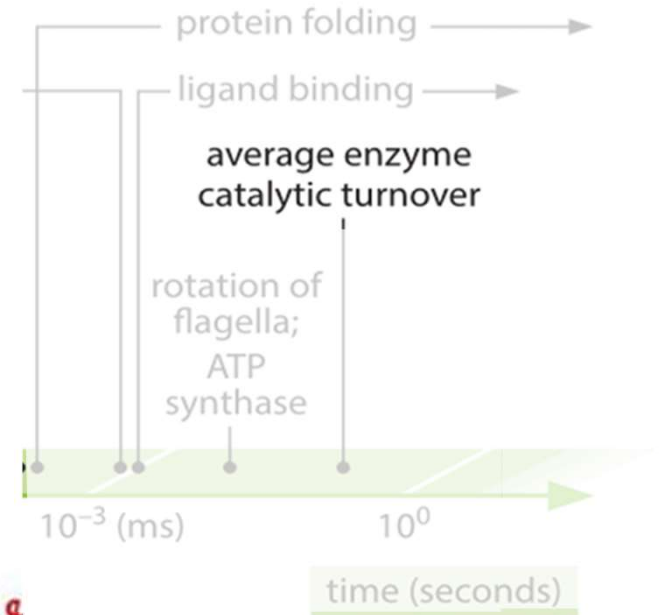
MicroDiff2

DECTRIS EigerX 4M

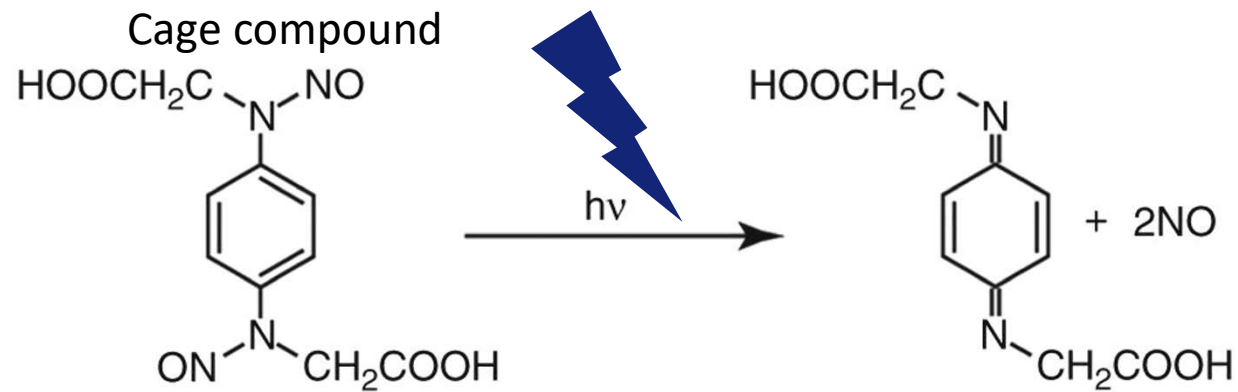
TIME-RESOLVED EXPERIMENTS



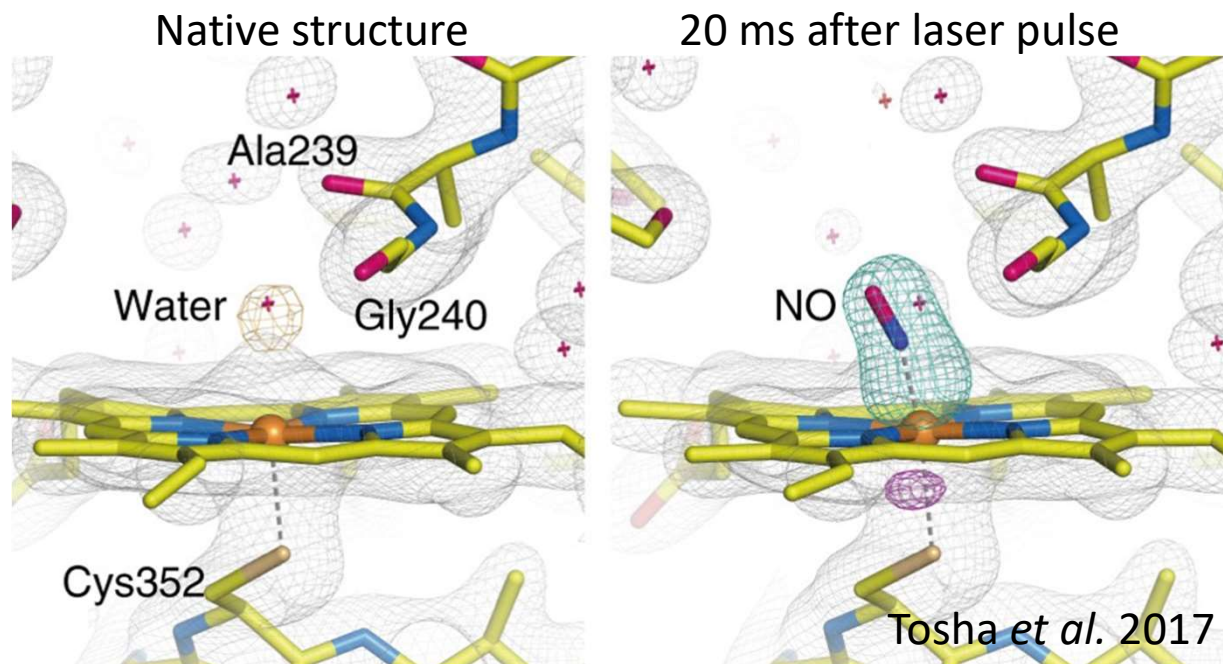
Klare et al. 2008



IN-CRYSTALLO REACTION OBSERVATION

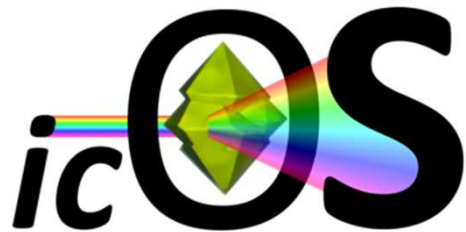
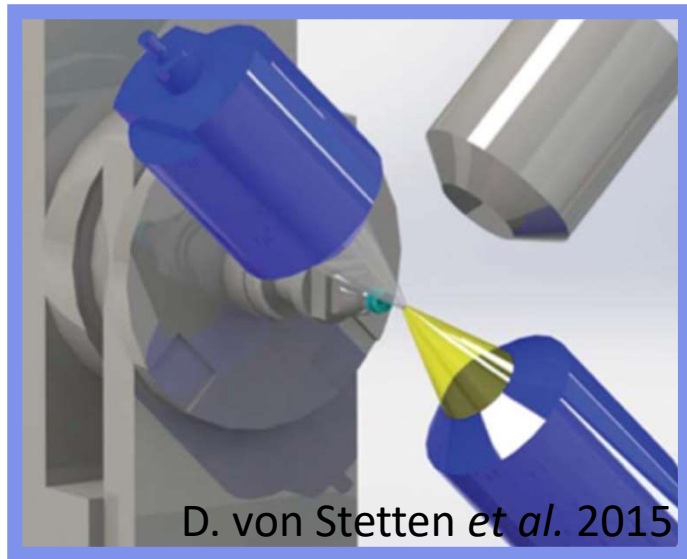


Caged-NO photolysis. One caged-NO releases two NO molecules upon UV light illumination

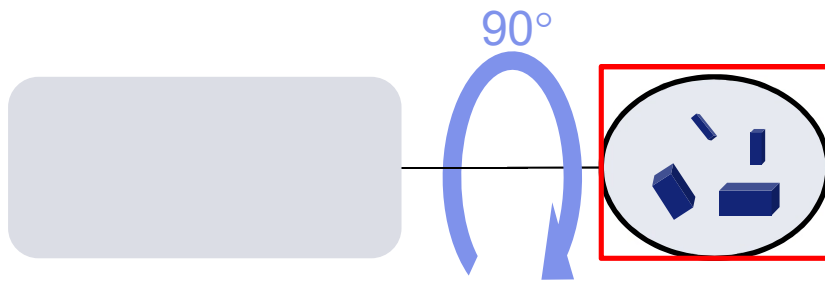


ON-LINE MICROSPEC SETUP

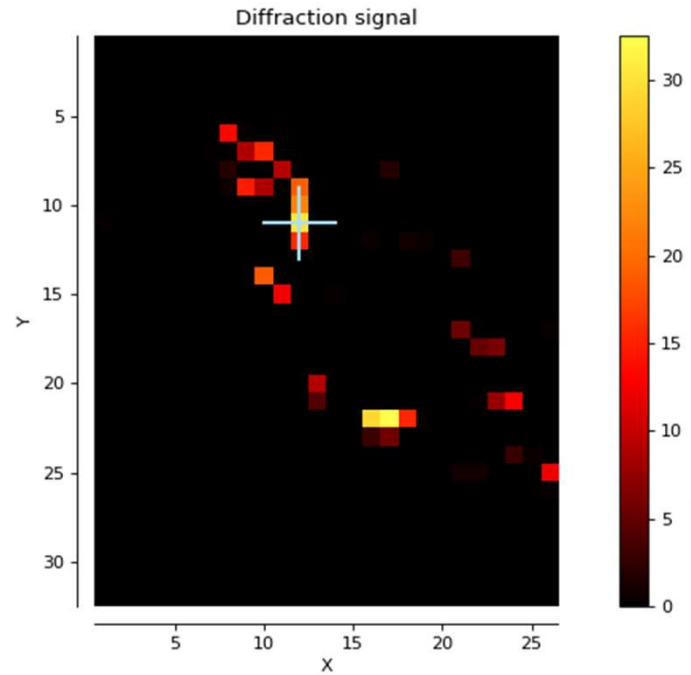
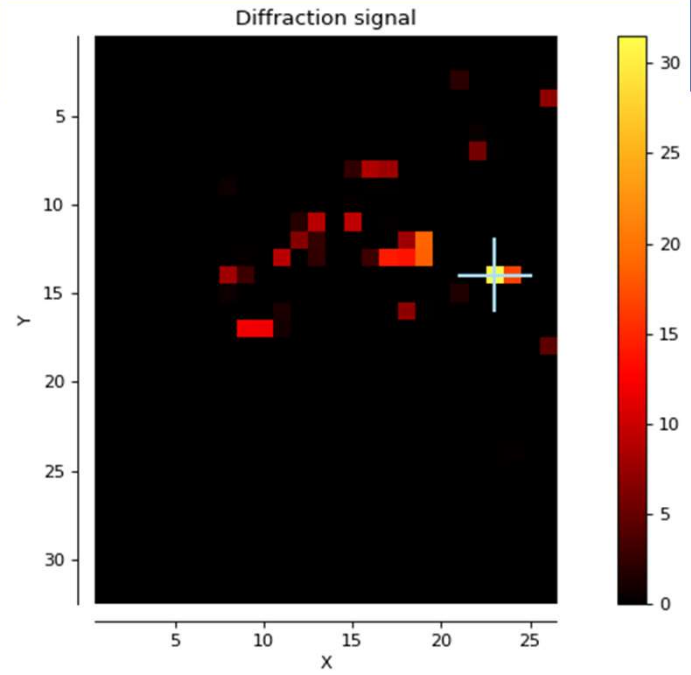
UV-vis absorption



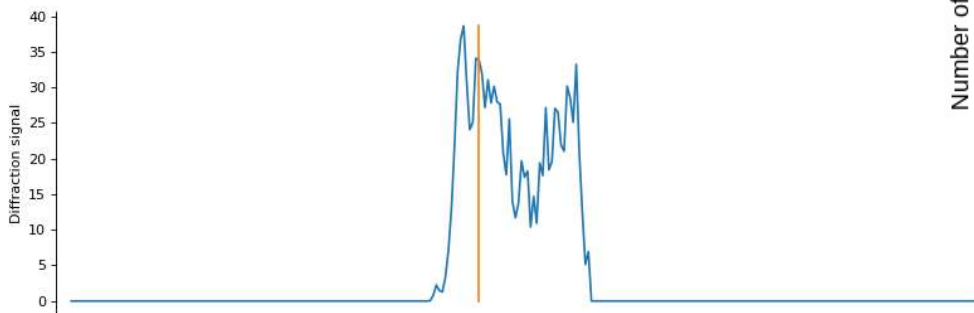
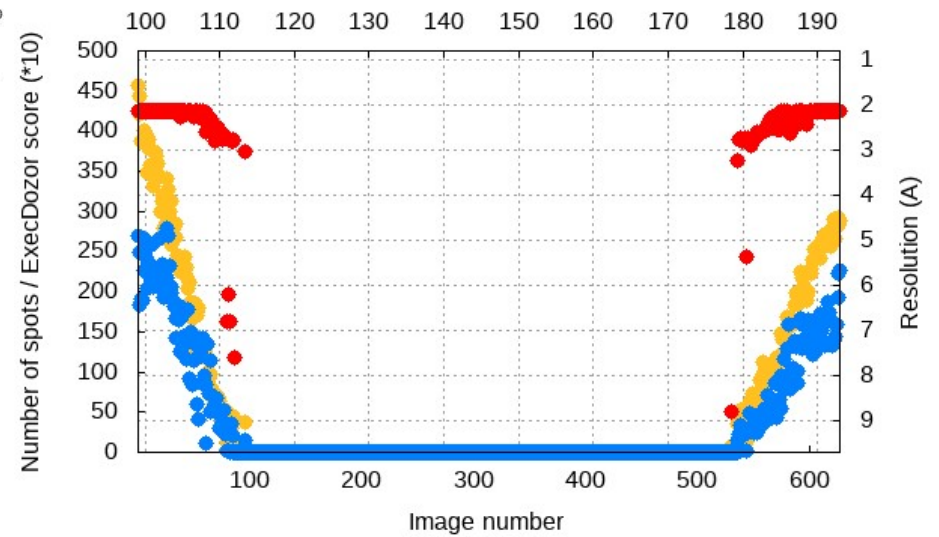
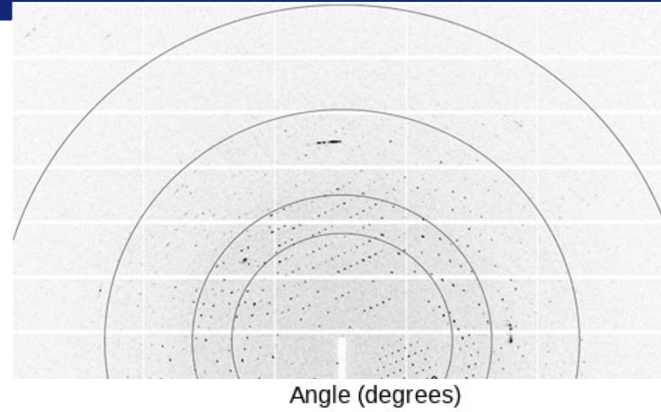
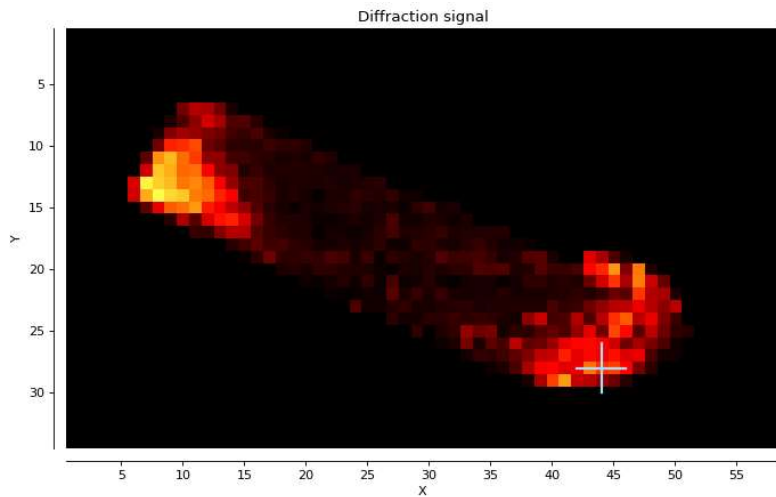
DOUBLE MESHSCAN



(20° is enough)

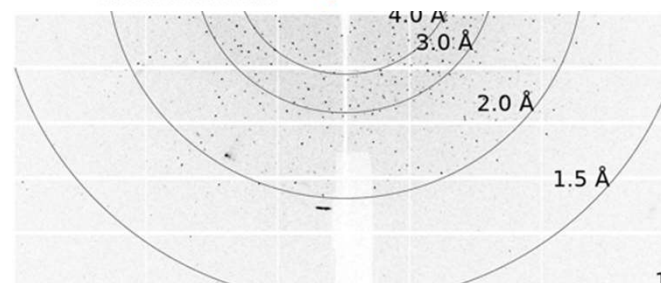


LINE SCANS ARE GOOD, NOT ALL THE TIME...



Number of spots ExecDozor score

Visible resolution



ACKNOWLEDGEMENTS

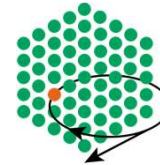


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and all SB group



**Valentin Gordeliy
and his group**



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Matthew Bowler**