



MXCuBE at Sirius



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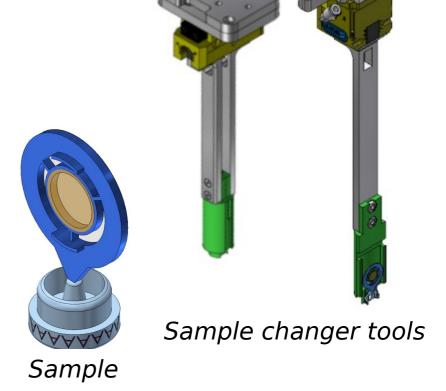
MXCuBE 3 at Manacá beamline

Done

- Sample changer
 - Sample holder's smart magnet signal for failure detection
 - Tool detection
 - Queues for room temperature and/or cryogenic sample pucks management



Sample holder



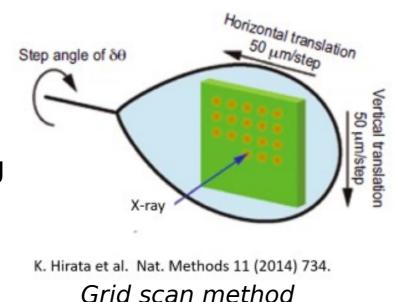




MXCuBE 3 at Manacá beamline

Done

- Grid scan
 - With oscillation of ± 0.5 deg./cell on omega
- LIMS access updates
 - Better connection closing
 - Adjustments for private companies' research proposals





Sample view

 Flyscan for microcrystallography for EMA beamline





MXCuBE 3

WIP

- → More EPICS classes
 - → Integrated step, fly and mesh scan procedures instead of Py4syn/scan-utils packages
 - → Integrated Pilatus detector and TATU (Time And Trigger Unit)
- → Remote access improvement continues...
 - → Replacement of virtual machines



To-Do List

- → Braggy
- → MXCuBE core and MXCuBE 3 updates
- → Bluesky/Ophyd integration with MXCuBE









Acknowledgement



- Beamlines groups
- Support groups
- SwC group
- MXCuBE community

Thank you all!



