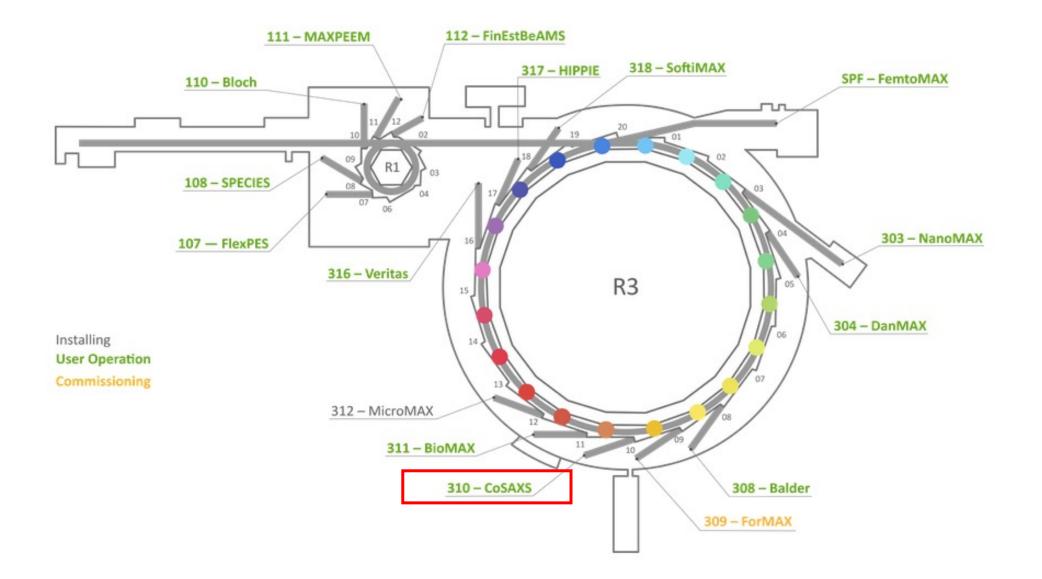


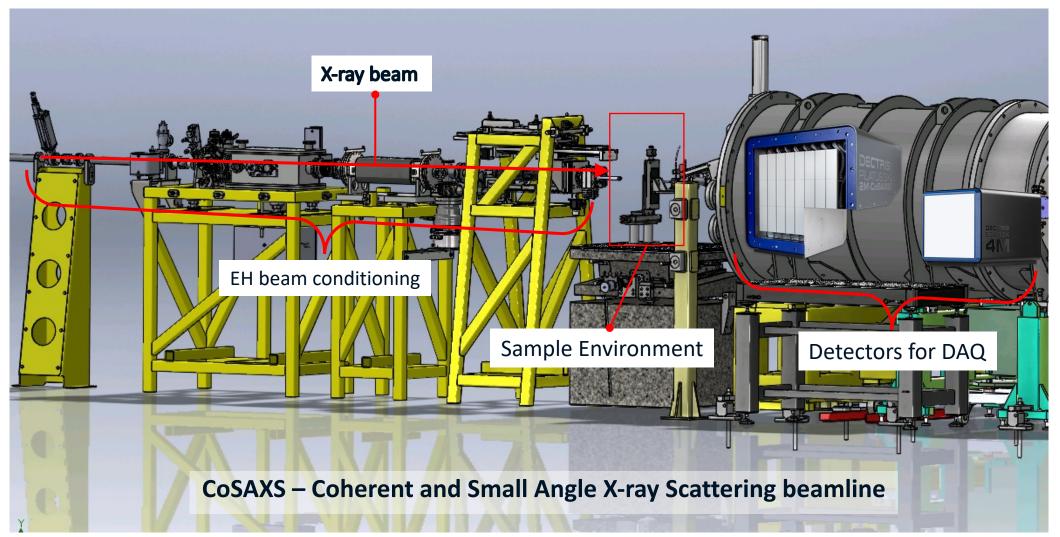
Taranta @ CoSAXS beamline

Vanessa Da Silva Roberto Appio



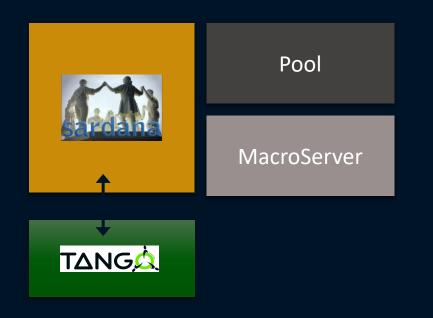


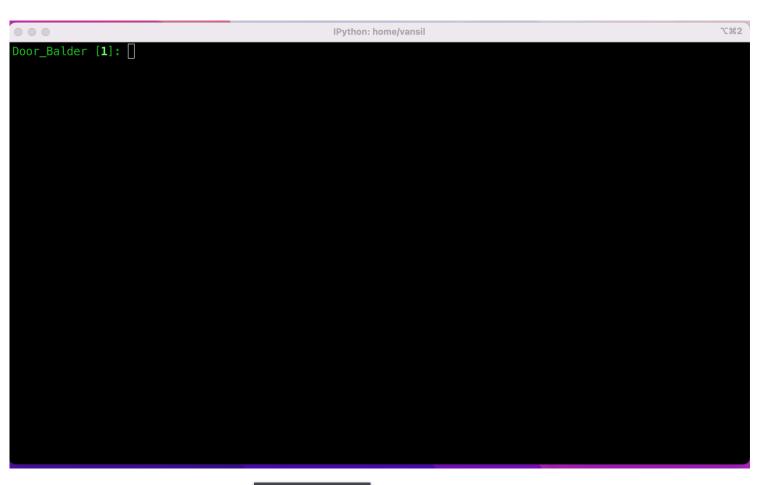
Beamline Overview





CoSAXS Experiment Control and Orchestration



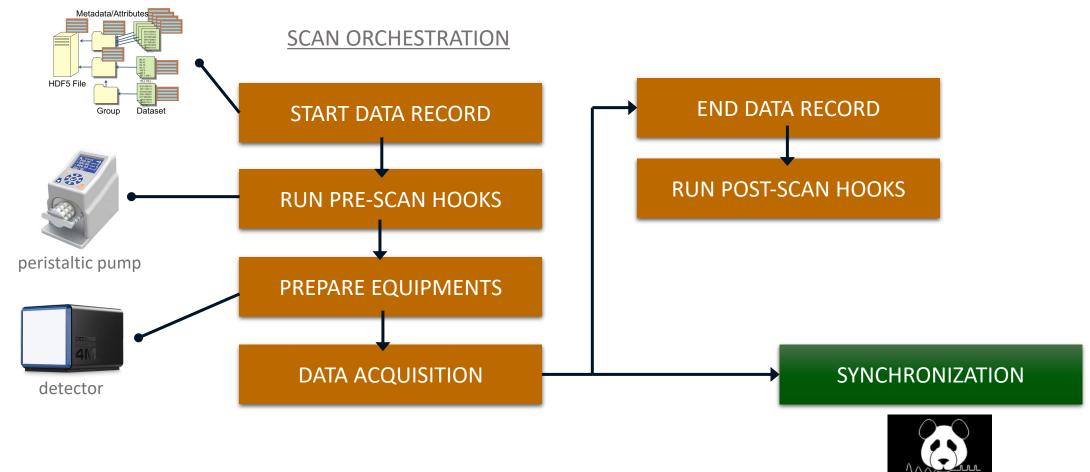








CoSAXS Experiment Orchestration





Challenges

- Specifically about scans, experiment control and Sardana
- Beamline vacuum system

When experiment fails and goes wrong, current challenges:

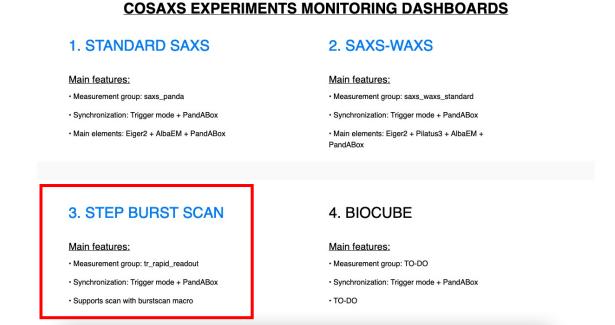
- Quick diagnose
- Quick recovery
- Beamline staff autonomy
- Knowledge sharing with KITOS (operations support crew)
- Quick overview of beamline vacuum system state and control to main valves



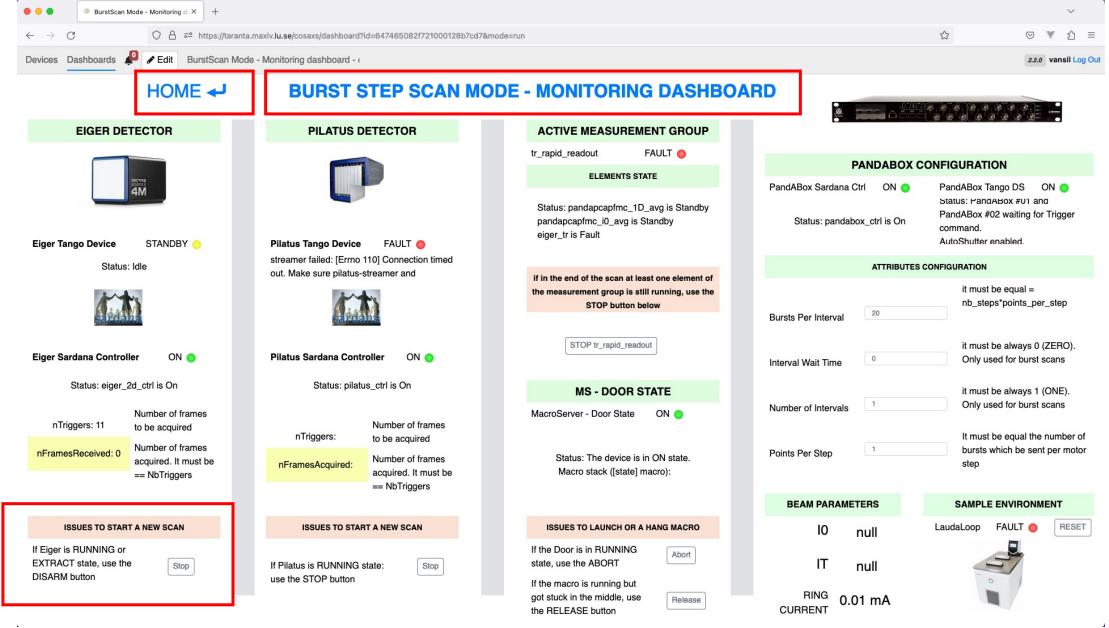
Using TARANTA dashboards as an ally



- A Collection of CoSAXS main experiments
- Share of beamline specific knowledge
- KITOS crew can have a quicker response











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○ A = https://taranta.maxiv.lu.se/cosaxs/dashboard?id=62d58c412d9a260012ab7171&mode=run

Devices Dashboards 🦉 🖋 Edit Main menu - Monitoring dashboards

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COSAXS EXPERIMENTS MONITORING DASHBOARDS

1. STANDARD SAXS

Main features:

Measurement group: saxs_panda

Synchronization: Trigger mode + PandABox

Main elements: Eiger2 + AlbaEM + PandABox

2. SAXS-WAXS

Main features:

Measurement group: saxs_waxs_standard

Synchronization: Trigger mode + PandABox

Main elements: Eiger2 + Pilatus3 + AlbaEM + PandABox

3. STEP BURST SCAN

4. BIOCUBE

Main features:

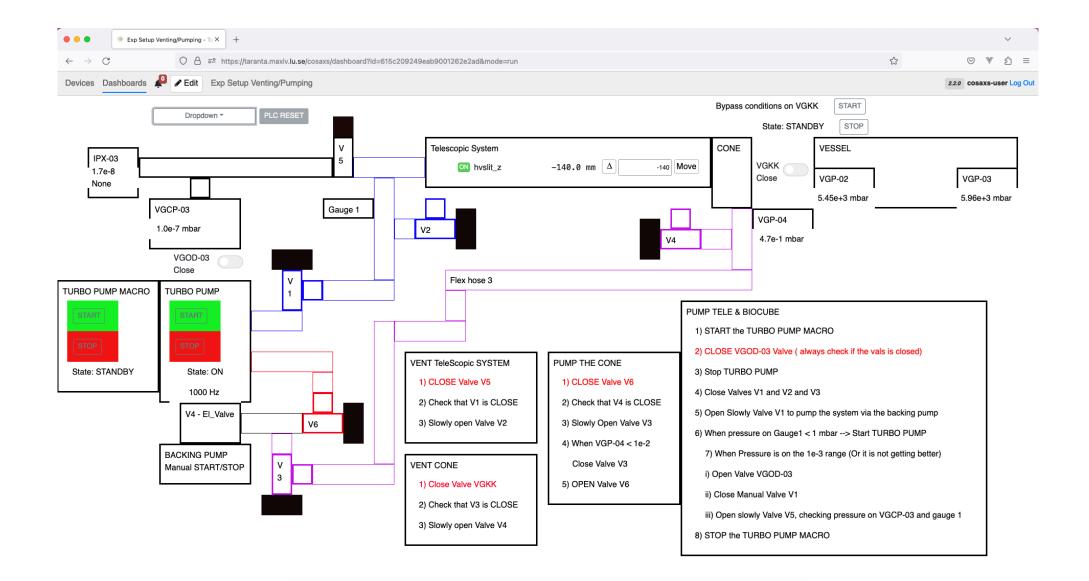
Measurement group: tr_rapid_readout

Synchronization: Trigger mode + PandABox

· Supports scan with burstscan macro

Main features: • Measurement group: TO-DO • Synchronization: Trigger mode + PandABox • TO-DO





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Thank you!

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