PAUL SCHERRER INSTITUT

PSI

AWI Department Meeting

EIDO - 7901

Update SwissFEL

➤ Maintenance and cleanup of sf-daq

    ➤ Refactored version already tested in production environment

    ➤ Lack of a test system became apparent

    ➤ Testing on production systems is (unsurprisingly) problematic

➤ Investigating transition to std-daq

SLS

- ➢ BEC Widgets
  - ➢ Presented to PSD staff on 24/01
  - ➢ Received very positive feedback

-> Jan

SLS

- ➢ Ophyd / HW integration

  - ➢ Added high-level test framework for Beamline and Controls integrators

  - ➢ (Massive) improvements to the simulation framework

  - ➢ flOMNI (ptychography endstation at cSAXS) is fully integrated

  - ➢ Integration work for cameras / small detectors

SLS

➢ BEC

    ➢ Various "under-the-hood" improvements

        ➢ Simplified data access

        ➢ Refactoring

        ➢ Breaking changes to the device configs

        ➢ …

    ➢ Upcoming changes (open MRs):

        ➢ Redesigned data analysis pipelines

        ➢ Redesigned BEC message handling

➢ Improvements to BEC build and deployment processes (Ivan + Borys)