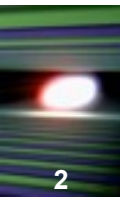


# Introduction

Tobias Haas  
Technical Meeting  
17 Feb 2017

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# Topics



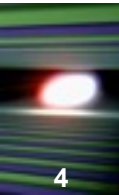
- Status Accelerator
- FXE Commissioning (C. Bressler)
- Air pad tests (J.-T. Delitz)
- XHEXP1 status report

- XFEL TRANSMISSION**

The figure displays two main components:

  - Charge Data Plot:** A graph titled "Charge data from Charge ML". The y-axis represents charge in nC, ranging from 0 to 0.6. The x-axis represents distance in meters, ranging from 0 to 500. Two data series are plotted: "/CHARGE ML/TOROID/CHARGE SA1 [nC]" (dark blue) and "/CHARGE ML/BPM/CHARGE SA1 [nC]" (light blue). Both series show periodic vertical spikes, indicating discrete charge measurements along the beamline.
  - Beamline Diagram:** A schematic representation of the particle accelerator's path. It features various components labeled with numbers (e.g., 96, 97, 98, 99) and colors (yellow, green, red). A legend at the bottom indicates "Selected: SA1". The diagram shows the spatial distribution of the beam and its interaction with different parts of the facility.

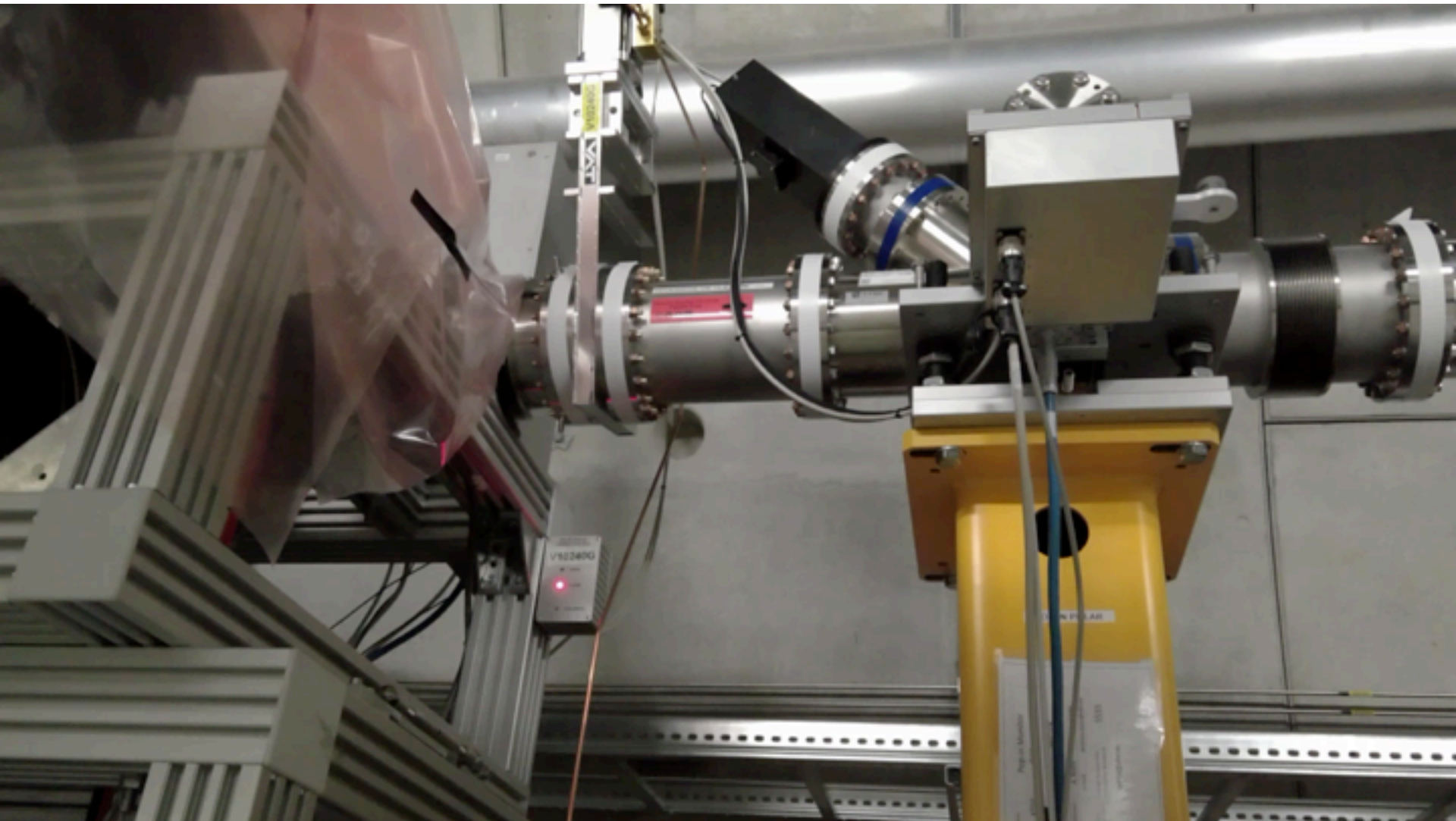
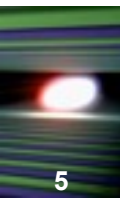
# Activities in XTDs



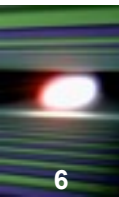
4

- Activity in XTD9 is coming to an end
  - Big remaining item is the installation of the mirrors (waiting for holders)
- Intense activity on Beckhoff and software integration
  - Karabo is now running the Vacuum and the Motion loop
  - Some issues are remaining
    - Interface PLC/Karabo
    - EPS loop needs to be brought up next
  - Lots of testing required

# Karabo operating V10240G (AS from his desk)



# Experiment Hall



- Second smoke extraction test (with authorities) was successful
- Radiation interlock installations both in XTD tunnels and SASE1 instruments is ongoing
- Networks in FXE and SPB racks is running
- Servers are installed and running
- FXE is about to start testing crates
  - See talk by CB
- AC installations in SASE3 have started

# Radiation Interlock in SPB Optics



7





# Servers running in FXE

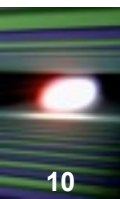




# Test setup for FXE



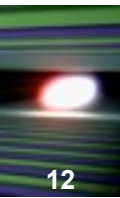
# Cooling Water installation SASE2 progressing



# Interlock setup at XTD9



# Next Meetings



- SASE1 Readiness by invitation
  - Today 09:00 after TechMeet in this room
- Next XHEXP1 hall coordination meeting
  - Friday, 24 Feb 8:30