

# Update on Applications Operator School 2024

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# Agenda

- ◆ SIS100 String Test
- ◆ BSS Control
- ◆ ParamModi
- ◆ HITRAP
- ◆ ZKS

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# SIS100 String Test

- ◆ User Training held on 16.Oct.2024
  - ❖ Short overview of the Control System
  - ❖ Physics Model
  - ❖ Applications
    - ◆ Know about:
      - SchedulingApp
    - ◆ Actively used:
      - BSS Control (Switch beam on and off)
      - ParamModi (Trim Settings, look at Setting within the Parameter Hierarchy)
      - DeviceControl (Switch on/off, Reset, check status)
      - SequencerApp (Specific sequences, e.g. bring powerconverter to intermediate level)
      - MASP UI (Display Interlocks)
      - Others (Calibration Viewer, ..)
- ◆ String Test Team will manage their patterns/chains themselves
- ◆ Possible questions

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# BSS Control: Hide selected Pattern Groups

- ◆ Optionally we can now hide specific Pattern Groups



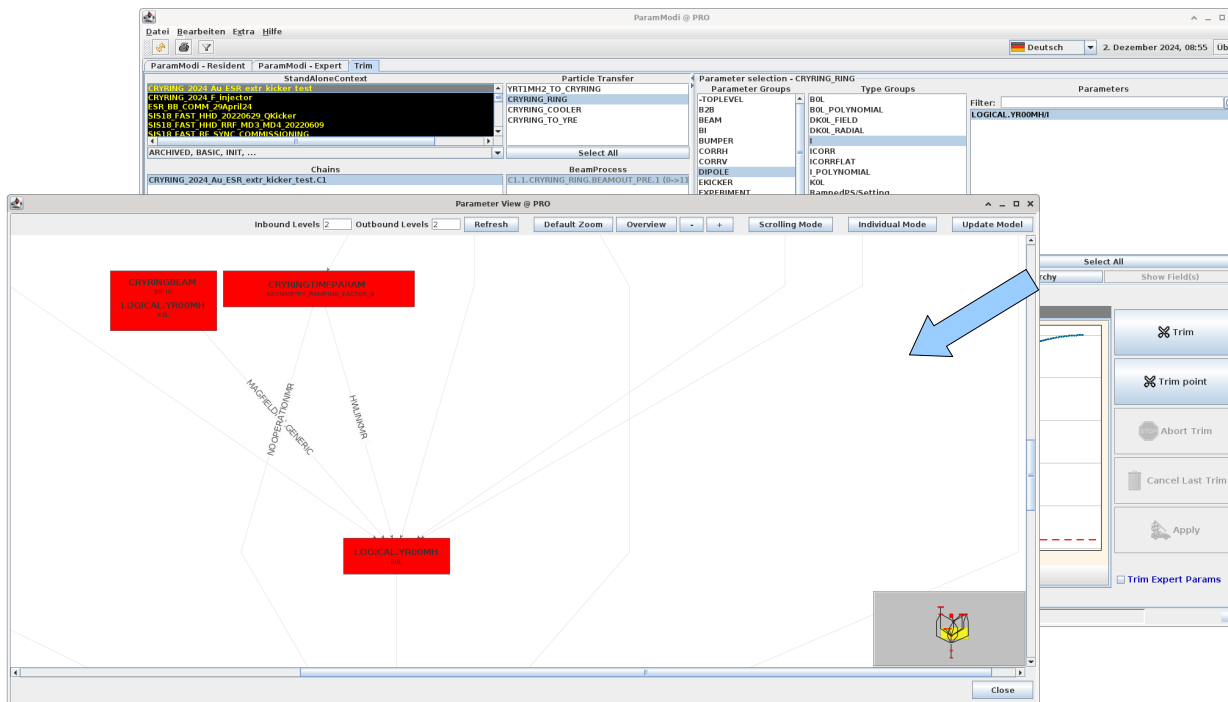
- ◆ Question: Should this be pre-configured for the HKR ?

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# ParamModi: Parameter Viewer

- ◆ New Parameter Viewer
- ◆ includes more information about the physics model (MakeRules)
- ◆ selection back – and forth as before





# ParamModi: Export Settings

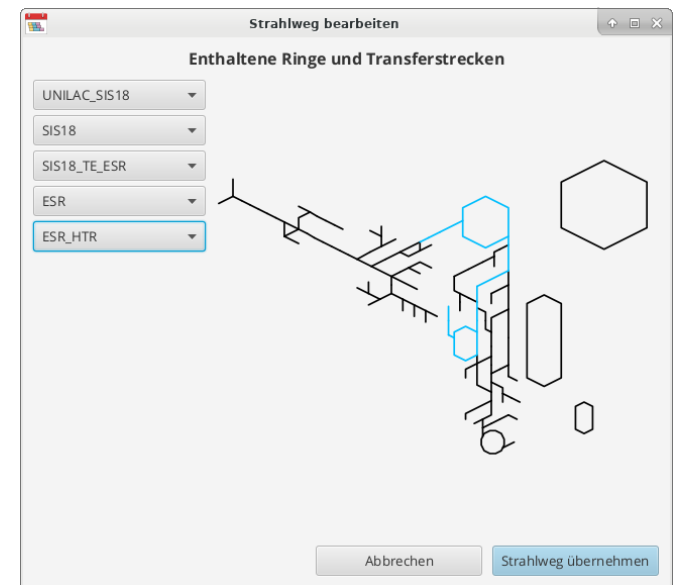
- ◆ When exporting Settings, you can now choose to store them on the temporary WebDAV ("clipboard", as before) or on the long-term WebDAV ("opstore")
  - ❖ usage of the temporary WebDAV "clipboard"
    - ◆ store – modify – restore
    - ◆ exports for OLog
  - ❖ usage of long-term WebDAV "opstore"
    - ◆ keep exported settings as reference
    - ◆ proposed structure by C.Böhm:
      - SIS18 -> HTA
        - > HHT
        - > HFS
        - > ....
        - > Crying -> lokale Quelle
        - > über ESR
      - z.B.: Herkunft/Energie/Extraktionsart/Strahlweg/Strahlziel/Ionenart/Datum/Jahr  
SIS18/1000MeVu/SLOW/TH/HTA/36AR18+/1504/2024.c1.txt

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# HITRAP Enhancement

- ◆ Beamtime 2025:
  - ❖ Temporary solution:  
HITRAP Devices that are newly integrated into the Control System will all be assigned to the last accelerator zone and appear there!
- ◆ Beamtime 2026:
  - ❖ Introduction of new Particle Transfers and Accelerator Zones foreseen (own source and several targets)

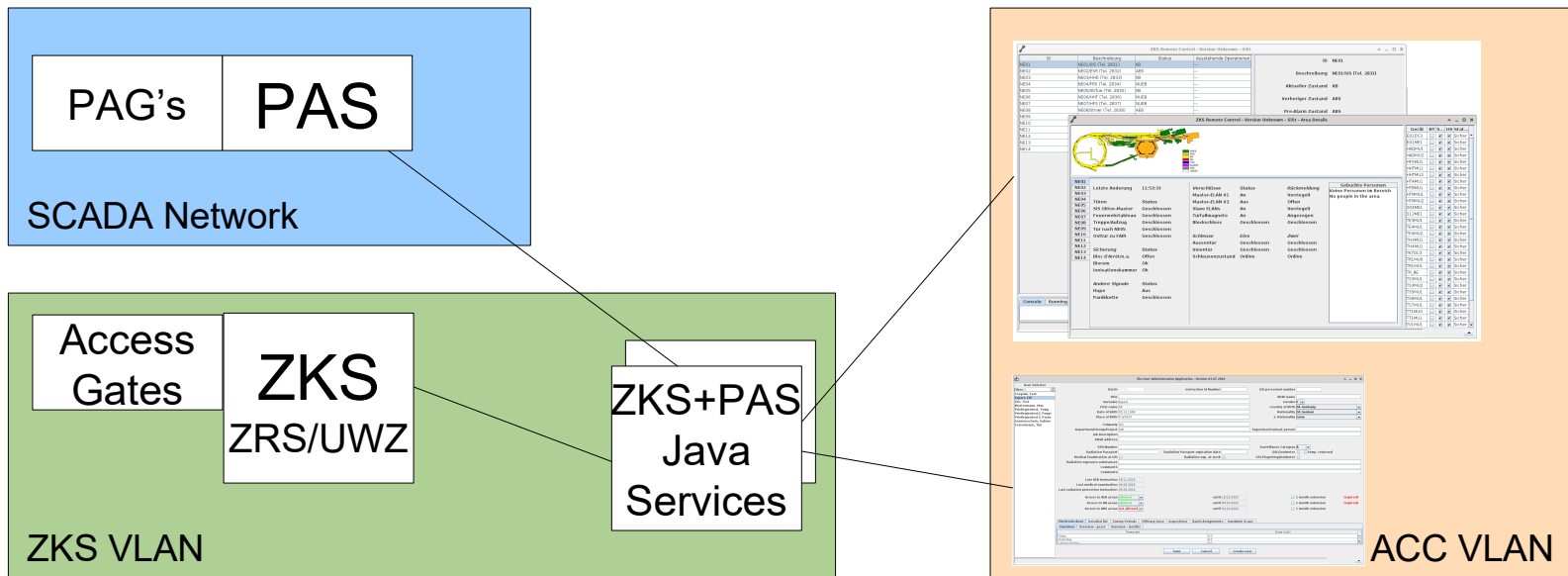


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# ZKS Changes

- ◆ Network setup has been reworked by INN for integrating the PAS system
- ◆ Work done by IND, APP, INN, FEC
- ◆ ZKS Application functionality moved to the Service layer (now different networks!), usage of certificates





# Questions?