



MAGiC: STAP update October 24







Human Resources on-site

- Engineer:
 - Moritz Braun has started in June
 - Spent a week at LLB in July and is now fully operational.
- Instrument scientist position:
 - Position is filled: Denis Vasiukov
 - Start on December 1st
 - Transition phase will last a few months
- IPL support: Egi Kuleci
 - Excellent support from NSS IPL
 - Supervises and organises the local activities in coordination with Moritz and Sergey

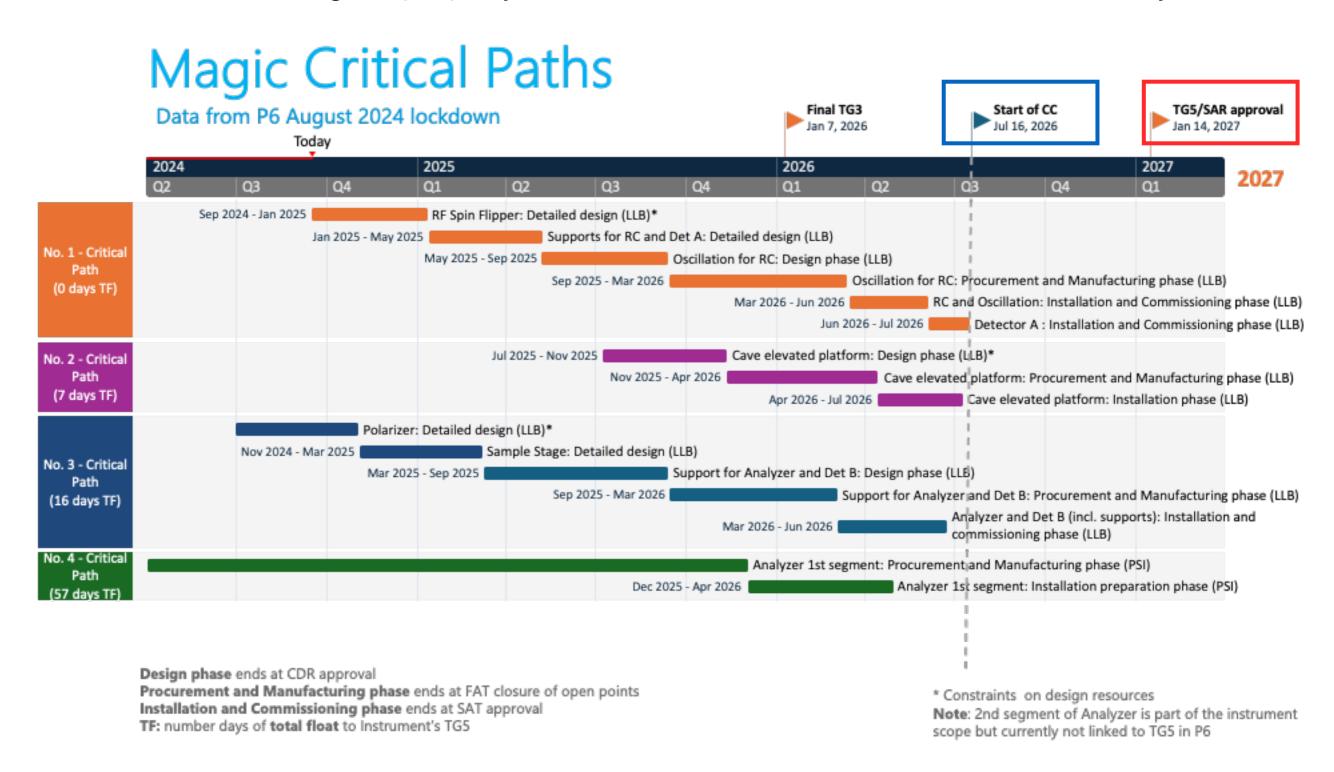
Design activities

Moritz at ESS and a Vincent at LLB

- Additional support possible:
 - Shared designer (TREX, SKADI, MAGiC)
 - JIRA based system with NSS design team
- List of components to design generated
- To be transferred to ESS

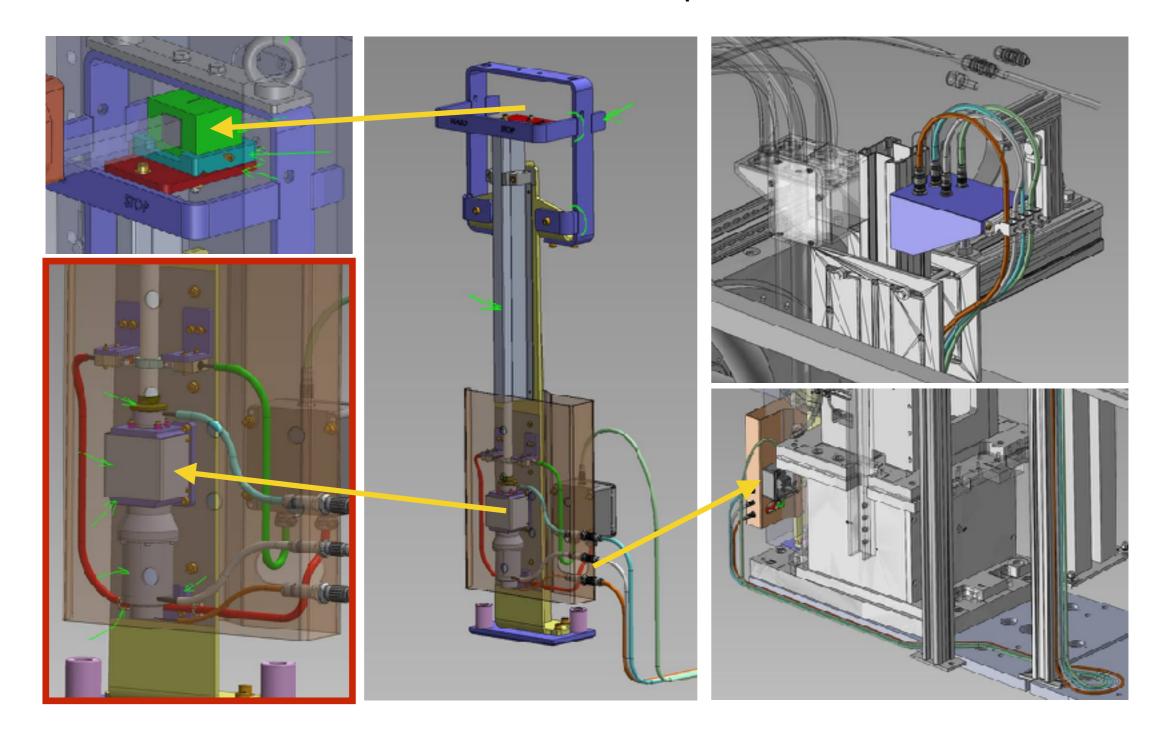
Re-planning

- Meetings from May to September
- Technical meetings to properly define the instrument team and ESS boundary



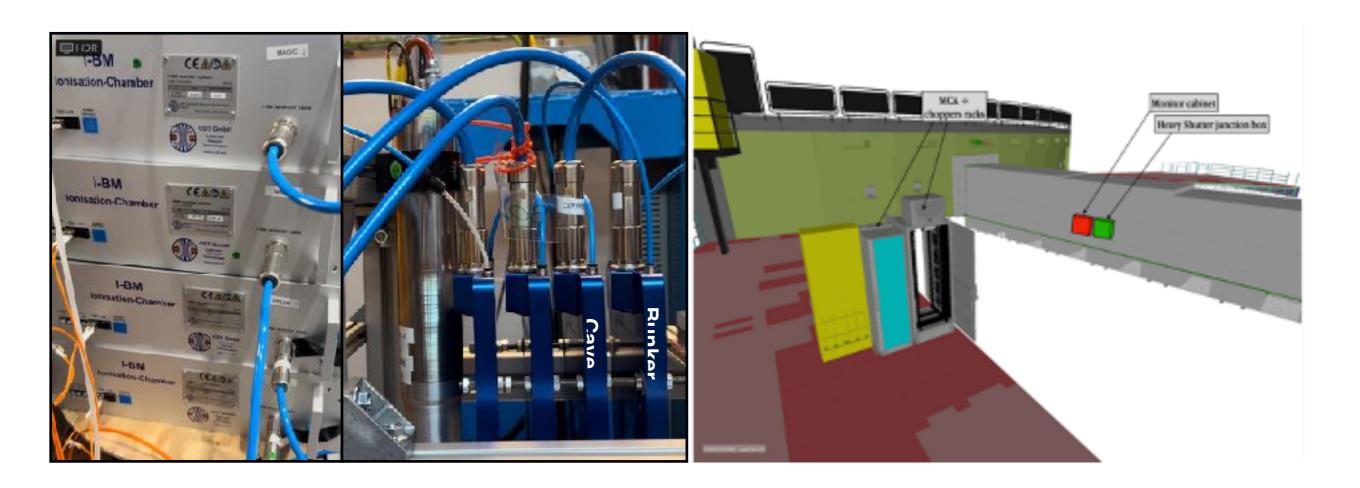
Solid state bender

- All components at LLB for FAT
- Interface with MCA and installation plan TBD



Monitors (cave & bunker)

- Monitors re-tested at PSI together with common project ones
 - Monitors are OK
 - Q-gate documentation ready
 - CUP interface discussed
 - Installation binder created



Choppers

- BC Chopper installation initiated => Q-gate and IRR process
- FE Chopper
 - FE chopper assembly to follow together with monitor and bender
 - CUP interface discussed

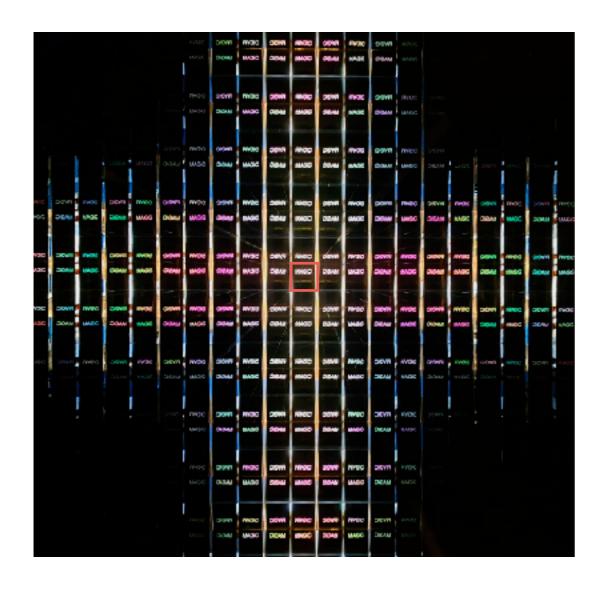


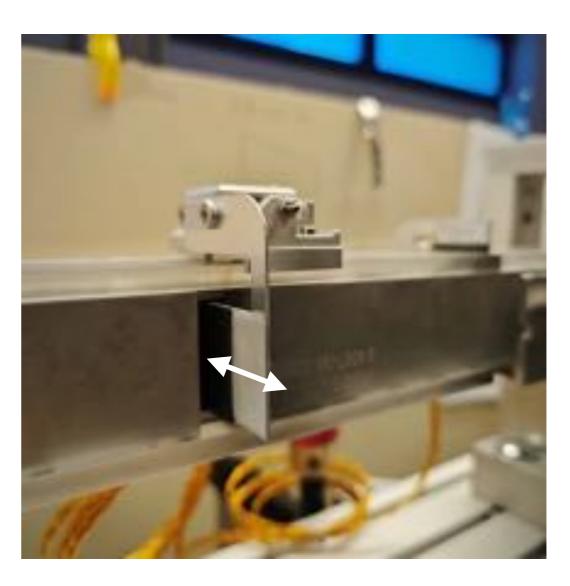




Guide system

- Complete guide system at ESS in crates.
- FAT for last Mirrotron part on October 10th
- Slits integration checked for all sets





HS & VH

- Heavy Shutter
 - Q-Gate in progress
 - Documentation missing
 - Hazard analysis
 - Neutronics report

- Vacuum Housing
 - Release in November, delivery in June-25
 - Current plan => installation during bunker reopening

Experimental cave

- Cave fully built
- SAT approved by CNRS in early September



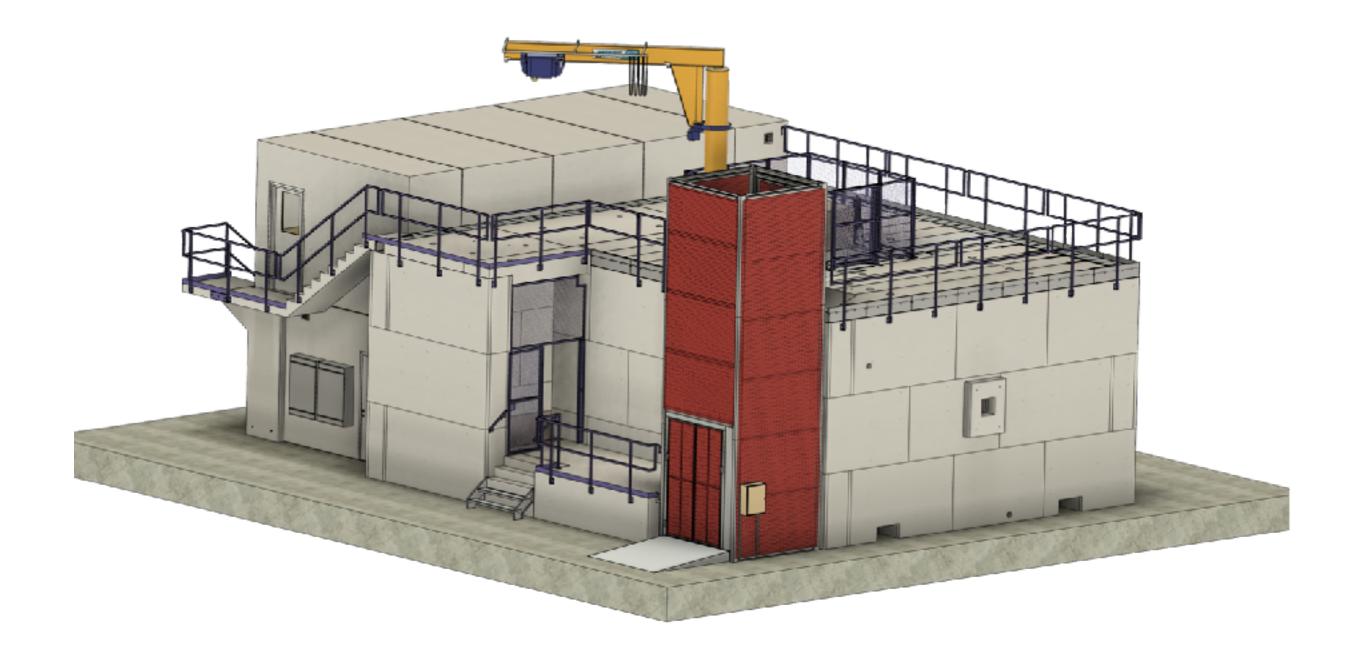






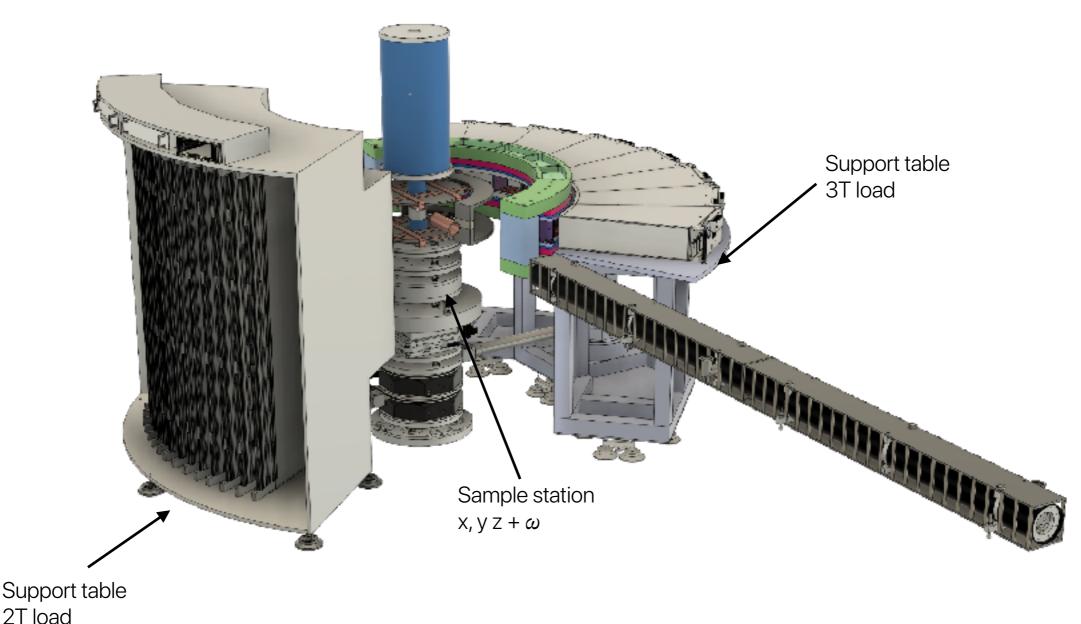
Elevator

- (final) Design review with the supplier
- CDR with ESS to follow before installation



Sample station and support

- Radial collimator tender released (15th of November)
- Both detector supports on the critical path
 - good candidates for support from NSS



Detectors



- Two meetings with detector group
 - 1.Racks and cabling
 - 2. Network requirements

- Power supplies and data cables
- Fiber boxes location
- Network loops
- Upgrade strategy

Polarization analysis (PSI)

- 100% coverage agreed between PSI and ESS
- Manufacturing in progress
- First FAT in progress at PSI

Update to come for the end of 2024 on detailed planning



Components list

- Ready/installed
 - NBOA
 - Solid state bender
 - FE choppers
 - Monitors
 - Guide super-mirrors
 - Heavy Shutter
 - BC chopper
 - Beam-line shielding
 - Collimation slits
 - Experimental Cave
 - Detector B
 - Cryostat
 - Control Hutch

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- Missing
 - Vacuum Housing

Critical for IB

- Detector supports
- Beam-stop

NSS support?

- Elevated platform
- Sample station
- Radial collimator
- XYZ

In progress

- Elevator
- Detector A
- Spin Flipper
- CUP, CEP, CMCA

Next STAP

Denis will be in charge

Report on installation activities

Analyser update

Thank you for your support!