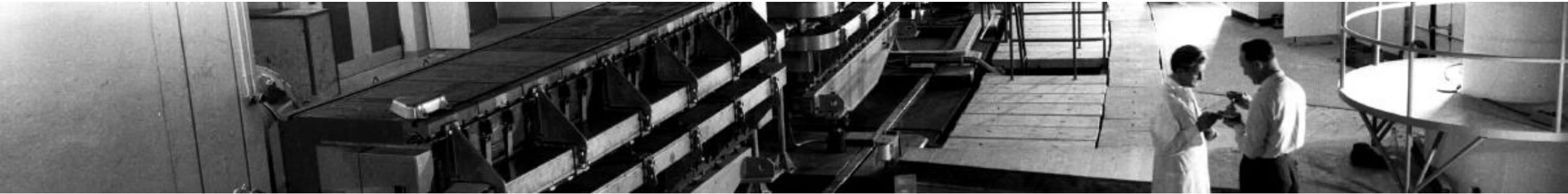


PS Hardware Commissioning



Many thanks to: Fernando, Patrick, Mike, Antoine, Thierry, Pieter, Alvaro, Didier Thibaut, Denis, Frank, Raul, Vincent, Fabrice, Abdel, Oliver, Stephane, James, Yves, Fulvio, Quentin, Gilles, Raul, Jean-Marc, Carlo, Heiko, Alexander, Dominique, Anthony....

HWC week 47

	Monday 16/11	Tuesday 17/11	Wednesday 18/11	Thursday 19/11	Friday 20/11
Morning	Main coils tests (Heat run, audio, visual and thermal checks) POPS stress tests	PFW+W8L coils tests (Heat run, audio, visual and thermal checks) Polarity checks PFW	POPS + PFW lockout Intervention on the main units to fix issues	<i>Will depend on progress made (Polarity checks PFW, magnets in series with SWY...)</i>	<i>Will depend on progress made (Polarity checks PFW, magnets in series with SWY...)</i>
Afternoon	Main coils tests continued	PFW+W8L coils tests continued	Main + PFW + W8L Heat run and checks		
Comments	Only POPS pulsing SPECIAL PERMIT	Only PFW/8L pulsing SPECIAL PERMIT (for safety reason)	M : Access A : SPECIAL PERMIT	<i>C10 MHz water cooling circuits works</i>	

HWC week 48

	Monday 23/11	Tuesday 24/11	Wednesday 25/11	Thursday 26/11	Friday 27/11
Morning	Main coils + PFW + W8L tests (Heat run, audio, visual and thermal checks)	Lockout and remove Covers aux. magnets circuits common with PSR F61 magnets tests	<i>Magnets tests Recabling S74 Lockout circuits (common SWY-PSR) Re-install covers</i>	<i>Bumpers magnets tests PSR LE correctors /quads heat runs and polarity tests</i>	<i>PSR/SWY accesses 10 MHz Long. Damper Survey</i>
Afternoon	Main coils + PFW + W8L tests (Heat run, audio, visual and thermal checks)	Switchyard aux. magnets circuits common with PSR F61 magnets tests	<i>PSR LE correctors /quads heat runs and polarity tests</i>	<i>Lockout circuits Re-install covers</i>	<i>PSR/SWY accesses 10 MHz Long. Damper Survey</i>
Comments	SPECIAL PERMIT	SPECIAL PERMIT			

In words (comments, questions, issues....)

- Safety first
 - Current accesses in Special Permit Mode
 - The n-TOF situation : the grid installation will be completed this morning
 - Then we will patrol, remove the lockout on FTN power converters and proceed with the HW commissioning
 - SMH16 out of the chain

In words (comments, questions, issues....)

- MSC tests
 - Heat runs, magnets inspections and polarity tests ongoing
 - Main coils / PFW / W8L inspections finished yesterday “only”
 - Preventive maintenance, reparation of W8L took longer than expected because of too long screws
 - Unusual noise heard in the machine, thorough investigation all day long yesterday
 - Source of the noise has been identified as the new regulation of the PFW and our functions with singular points (to be smoothed)
 - Shift and rearrangements of the original planning but no delays
 - Today beginning of the switchyard magnets with common circuit with PSR

In words (comments, questions, issues....)

- Commissioning
 - Almost all auxiliary power converters are ready for magnets tests and controllable from the CCC
 - PR.DVT74 / PR.QSK74 : cabling in the machine tomorrow
 - Programmed functions for MTE and Slow Extraction multipoles (and bumps) have been optimized (avoid singular points with new converters and regulation)
 - Fine tuning initially scheduled 01/2021
 - Support of the vacuum chamber broke between F16.BHZ377 and F16.BHZ378
 - Several bellows broken
 - TE-VSC organizing repair
 - No showstopper for beam – enough time margin for TT2
 - See Jose's presentation in AOB

In words (comments, questions, issues....)

- Dry runs and tests completed
 - KFA28 ok (signal saturation issue solved)
 - KFA13 and 21 ok
 - SMH26 ok but no acquisition : diagnostics delayed since SMH26 now has a veto
 - No rush
 - SMH16 ok
 - SMH61 ok
 - SMH57 good progress, Phase 4 will begin soon
 - Earlier start of B ramp-up tests ok for POPS

Comments / Questions

Gantt: <https://oss-coordination.web.cern.ch/gantt/latest>

Do not forget to send email if an IST is done: ist.done.ps@cern.ch

16:30 Daily Zoom meeting

Web address: <https://cern.zoom.us/j/95705566988?pwd=ZVZFOEVLV2dzZDZ0V2FQZzJvZkdRUT09>

Meeting ID: 957 0556 6988

Passcode: 848884