

# PS Hardware Commissioning



Many thanks to: Fernando, Denis, Franck, Raul, Fabrice, Abdel, Marc, Stephane, James, Yves, Carlo, Heiko, Alexandre, Solve, Laurette ....

# HWC week 49

Monday 30/11	Tuesday 01/12	Wednesday 02/1	Thursday 03/12	Friday 04/12
Correction of identified wrong polarity (only PSR)	PSR aux. magnets polarity check.	PSR aux. magnets polarity check.	Access PSR	Access PSR
DR synchronous pulse of SMH42 and BSW42		Polarity check for SWY and PSR common circuit		
CCC activity: KFA45 and 71, SMH57 and 61, EAST line F61/62, added FGC_63 property "STATE.OP" in WS, YASP LE correction, drive LE WP from high level parameter				
<p>TT2 vacuum:</p> <p>Prepare worksite and pieces, removed vacuum chambers, drilling of new support holes</p>				
				n-TOF circuit com.



# HWC week 50

Monday 07/12	Tuesday 08/12	Wednesday 09/12	Thursday 10/12	Friday 11/12
Access PSR	Access PSR	Access PSR	Access PSR	Access PSR
CCC activity: continue activity for settings management, KFA45 and 71, SMH57 and 61, EAST line F61/62, BE-BI test (t.b.c.)				
TT2 vacuum repair	SPS DSO test		TT2 vacuum repair	
n-TOF circuit com.				

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

## Safety

- PSR sector 3 and SMH16 are “out of safety chain”.
- Patrol of n-TOF primary done. Magnet covers are installed. EPC has started circuit com.
- Tuesday and Wednesday SPS DSO test. F16.BHZ377 removed of lock-out. Vacuum chamber repair on hold for two days.

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

## Magnet test

- Polarity check for all magnets done.
- BSW57.53 with wrong polarity (slow bump is composed of four magnets powered by one single converter). DHZ60.OC with wrong polarity.
- Water cooling pipe on Main Units exchanged.
- All aux. magnet covers are installed. POPS, W8L, and PFW are locked-out

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

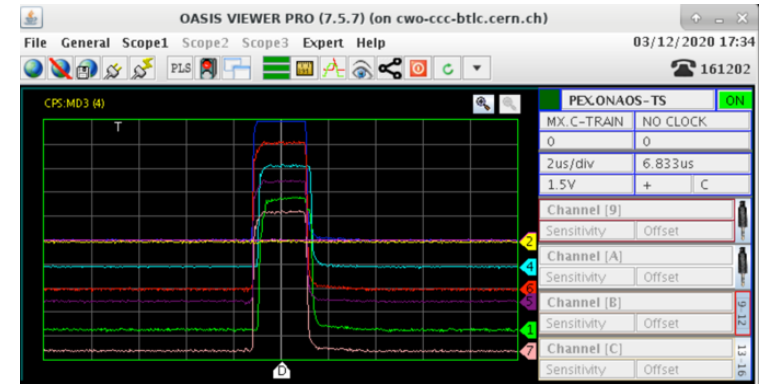
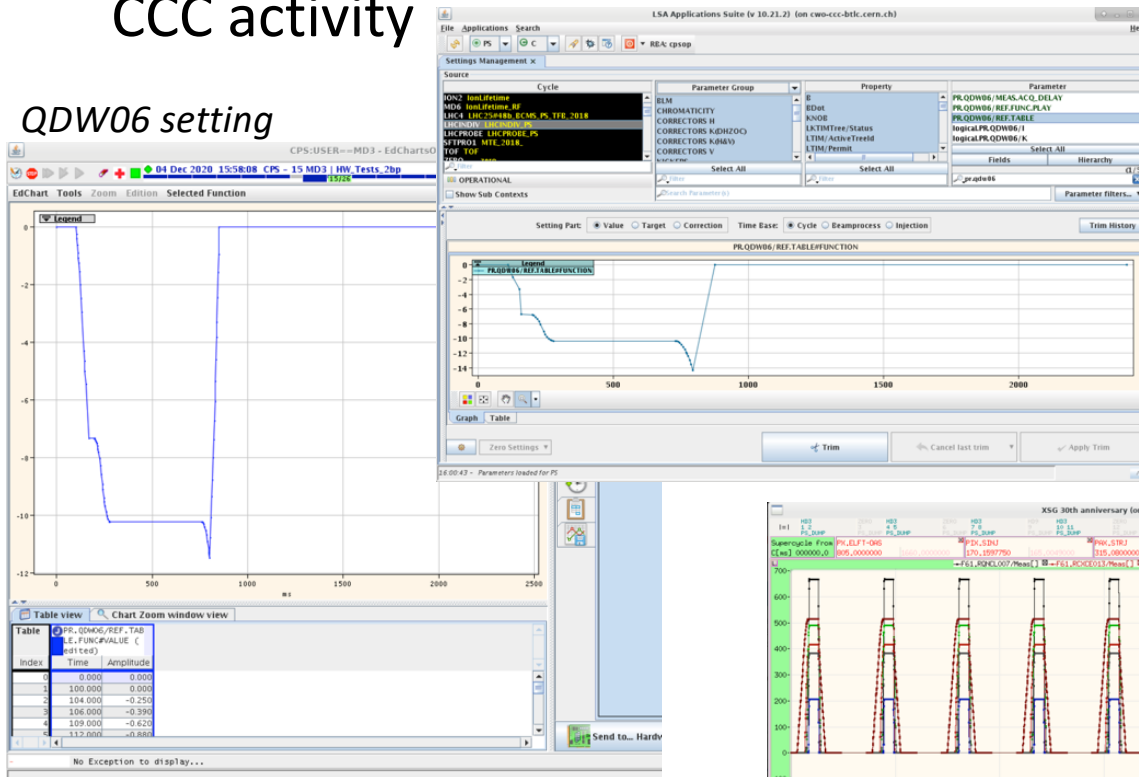
## CCC activity

- First remote tests for KFA45 and 71, like oasis signals, module choice....
- SMH57 optimized up-and down ramp to 50 ms by switching back to timing and CCV control approach (function control to complicated).
- SMH57 stress test over night. No problems to be reported.
- F61/62 magnets test. Optimization ongoing with EPC.
- YASP LE correction. Looks good but more tests are needed.
- LE WP adjustment from high level parameter. First tests done with QDW06. Looks good but many more tests are needed

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

CCC activity

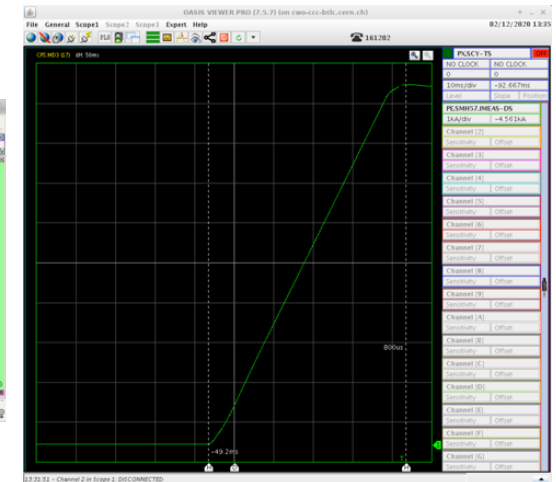
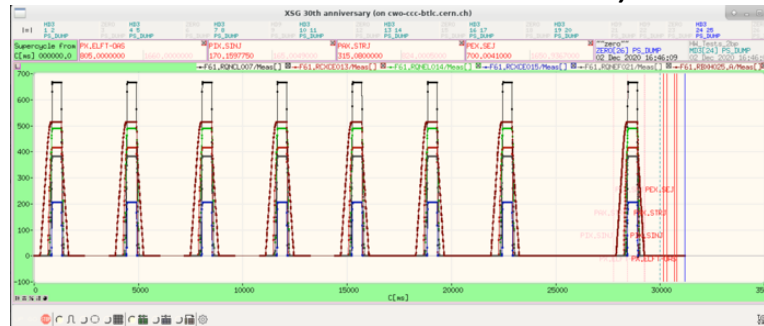
QDW06 setting



KFA 71 modules

SMH57 ramp

F61/62



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

## Feedback from Access

- Long.damper has two solid state amplifier broken. Repair on-going.
- 10 MHz cavities amplifier exchanged
- BFA9 successful 3 hours test. On-site measurement were satisfying.
- Check of all PS wire scanners. No problems to be reported.
- BSW42 WIC cable checked. New software deployed.



# 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](mailto: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