





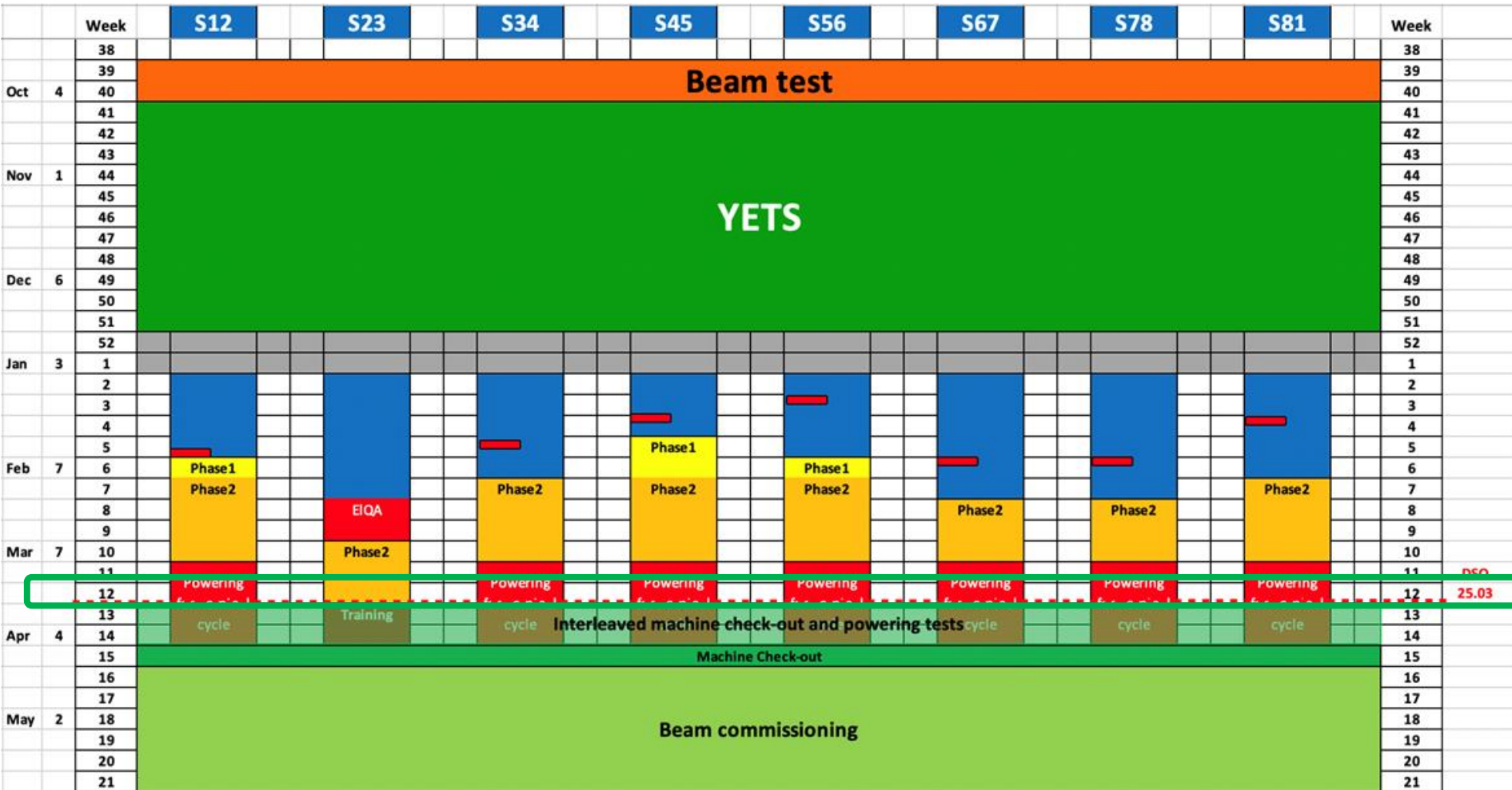
# Powering Tests Coordination meeting #109

A. Apollonio, M. Solfaroli

25.03.2022

# Powering tests planning

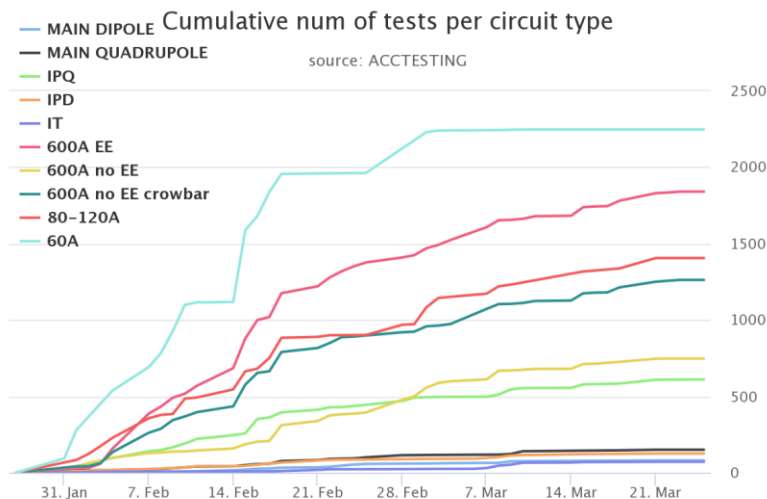
 EIQA



# LHC coordination

- **Today – DSO test**
- Next week: no access
- Meetings:
  - Last HWC coordination meeting today
  - Mon-Wed-Fri LHC coordination meetings will be done @9am  
(<https://indico.cern.ch/event/1136244/>)

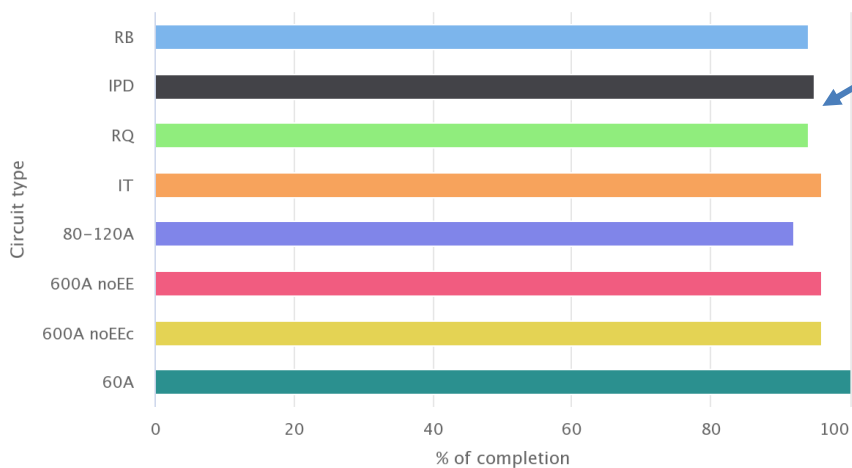
# Powering tests advancement



The <100% in sectors other than S23 is an **“artefact”** of the re-activation of PIC-BIC interlock tests (1 test per circuit)

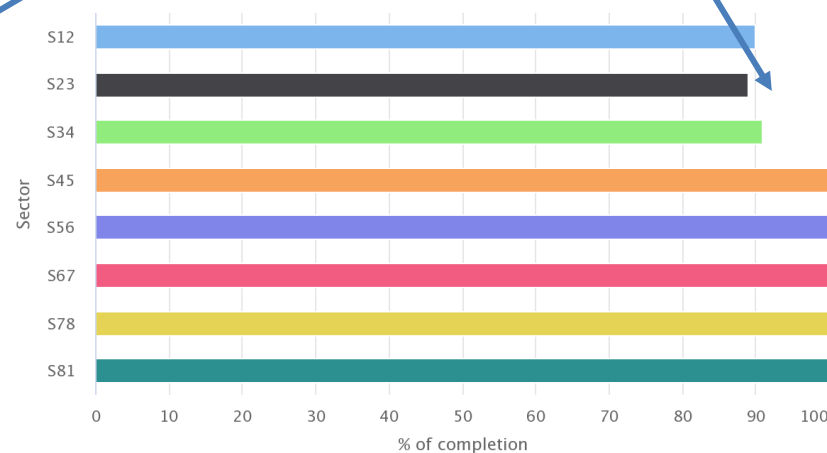
# Executed tests per circuit type

Source: ACCTESTING



# Executed tests per sector

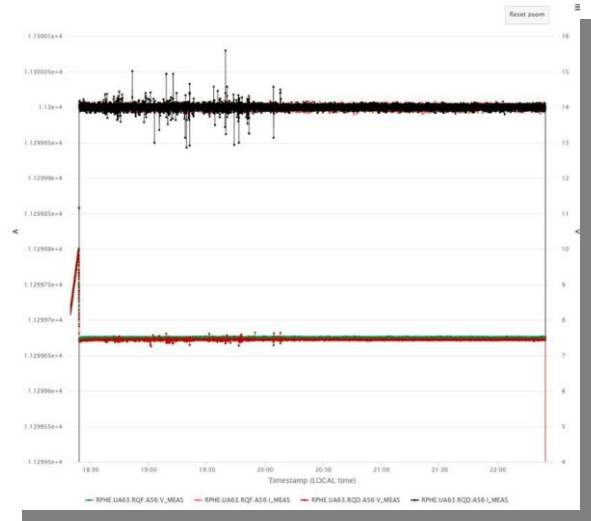
Source: ACCTESTING



# All sectors BUT S23

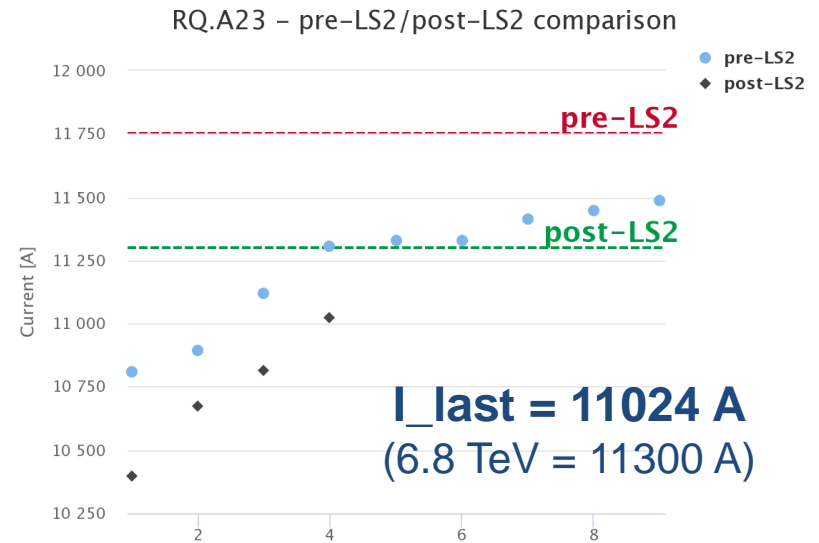
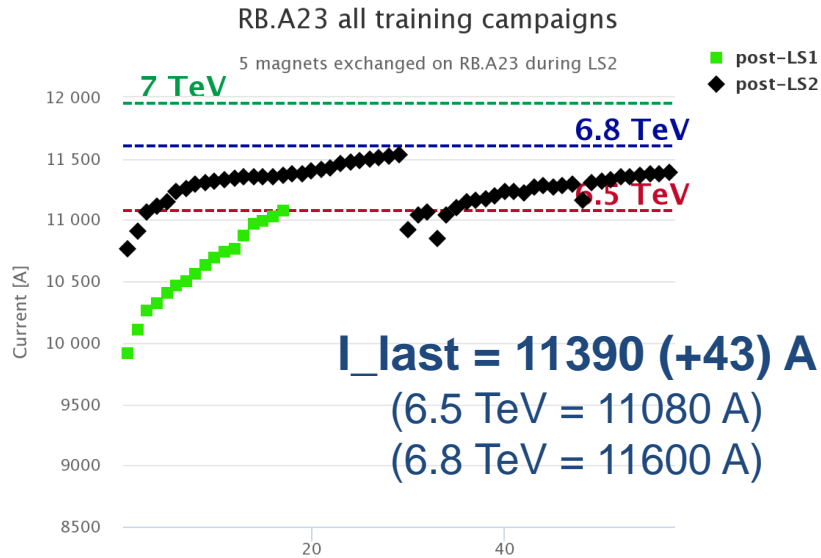
## All circuits commissioned, but:

- RQD/F.A56 – completed
  - Noise is NOT a problem for operation
- PIC-to-BIC tests done in S45, S56, S67, S78, S81

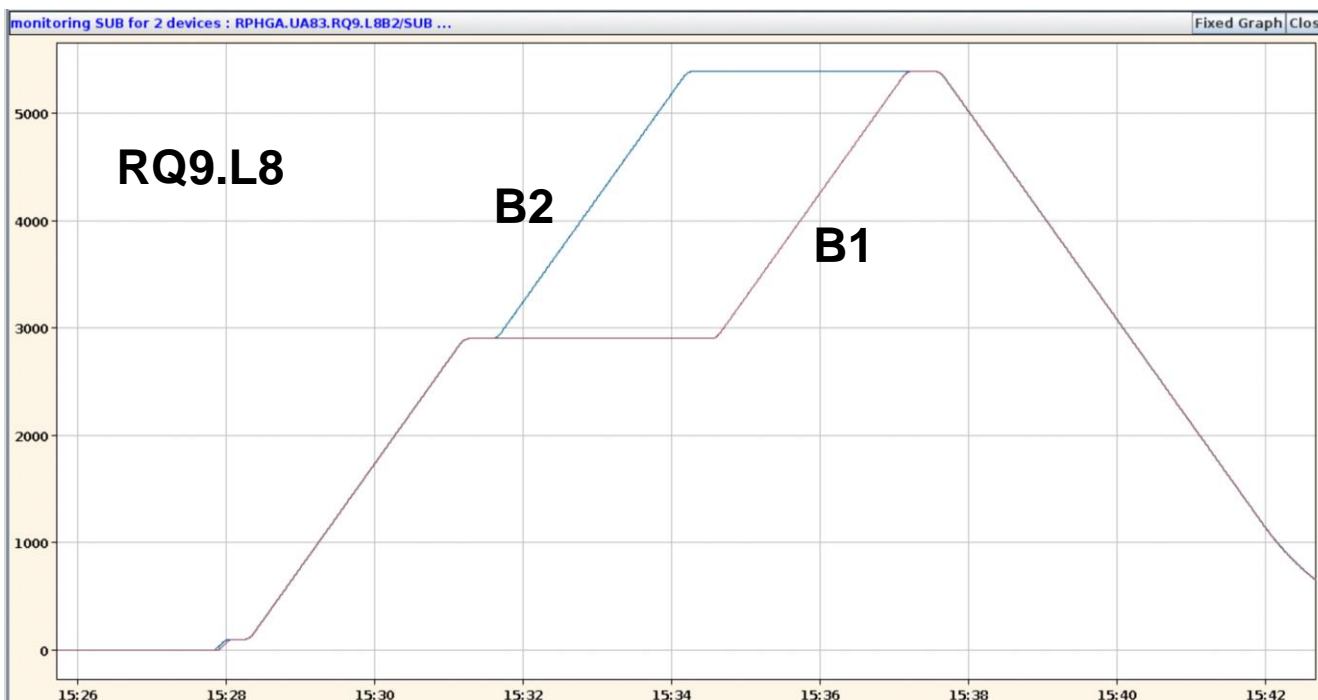


RB.A56, RB.A81 had 1 quench on flatop

# Sector 23



- **RB:** Training continues with check from QPS team of the settings before each quench. **25 circuit quenches done**
- **RQD/F:** 4 quenches
- **IPQ/D:**
  - RQ7.R2 commissioned, RQ8.R2 missing
  - RQ6.R2: completed after 3 quenches
- **600A:** steps at nominal current ongoing



RQ5.R8 and RQ9.L8 (different I\_PNO and DIDT\_PNO):

- Ramp B1+B2 to INTERM\_4 (2000 A for RQ5 and 2900 A for RQ9)
- Ramp B2 ONLY to I\_PNO (3610 A for RQ5 5390 A for RQ9) with DIDT\_PNO (10.833 A/s for RQ5 16.167 A/s for RQ9)
- Ramp B1 to I\_PNO (3610 A for RQ5 5390 A for RQ9) with DIDT\_PNO (10.833 A/s for RQ5 16.167 A/s for RQ9)

**No trip observed with DIDT\_PNO**



# FPA special tests with snapshots

	2 kA		5 kA		8 kA		11 kA	
	FT	10 A/s	FT	10 A/s	FT	10 A/s	FT	10 A/s
<b>RB.A12</b>	24.03.2022 @14:25	29.09.2021 @17:20	18.03.2022 @18:02	17.03.2022 @17:37	17.03.2022 @08:25	24.03.2022 @11:30	14.03.2022 @18:00	21.03.2022 @17:45
<b>RB.A23</b>		07.01.2021 @17:30			11.03.2022 @16:50			
<b>RB.A34</b>	21.03.2022 @17:30	17.09.2021 @17:00	17.03.2022 @14:39	17.03.2022 @17:38	17.03.2022 @08:20	14.03.2022 @11:45	14.03.2022 @18:00	15.03.2022 @18:10
<b>RB.A45</b>	24.03.2022 @17:21	14.07.2021 @17:30	24.03.2022 @16:12	17.03.2022 @17:39	17.03.2022 @08:20	24.03.2022 @14:28	14.03.2022 @18:00	15.03.2022 @18:10
<b>RB.A56</b>		15.07.2021 @17:25	24.03.2022 @17:13	17.03.2022 @17:40	17.03.2022 @08:20	24.03.2022 @15:29	14.03.2022 @18:00	15.03.2022 @18:10
<b>RB.A67</b>	10.03.2022 @10:40	16.07.2021 @16:50	03.03.2022 @17:50	10.03.2022 @11:25	10.03.2022 @12:05	10.03.2022 @14:40	14.03.2022 @18:00	11.03.2022 @17:00
<b>RB.A78</b>	10.03.2022 @10:40	25.02.2022 @16:45	10.03.2022 @11:25	10.03.2022 @12:50	10.03.2022 @14:40	10.03.2022 @16:50	11.03.2022 @17:00	21.03.2022 @17:30
<b>RB.A81</b>	24.03.2022 @14:25	11.08.2021 @17:15		24.03.2022 @17:12	24.03.2022 @15:28	17.03.2022 @17:36	24.03.2022 @11:30	21.03.2022 @17:30

FPA tests with snapshots almost completed in all sectors