





Powering Tests Coordination meeting #106

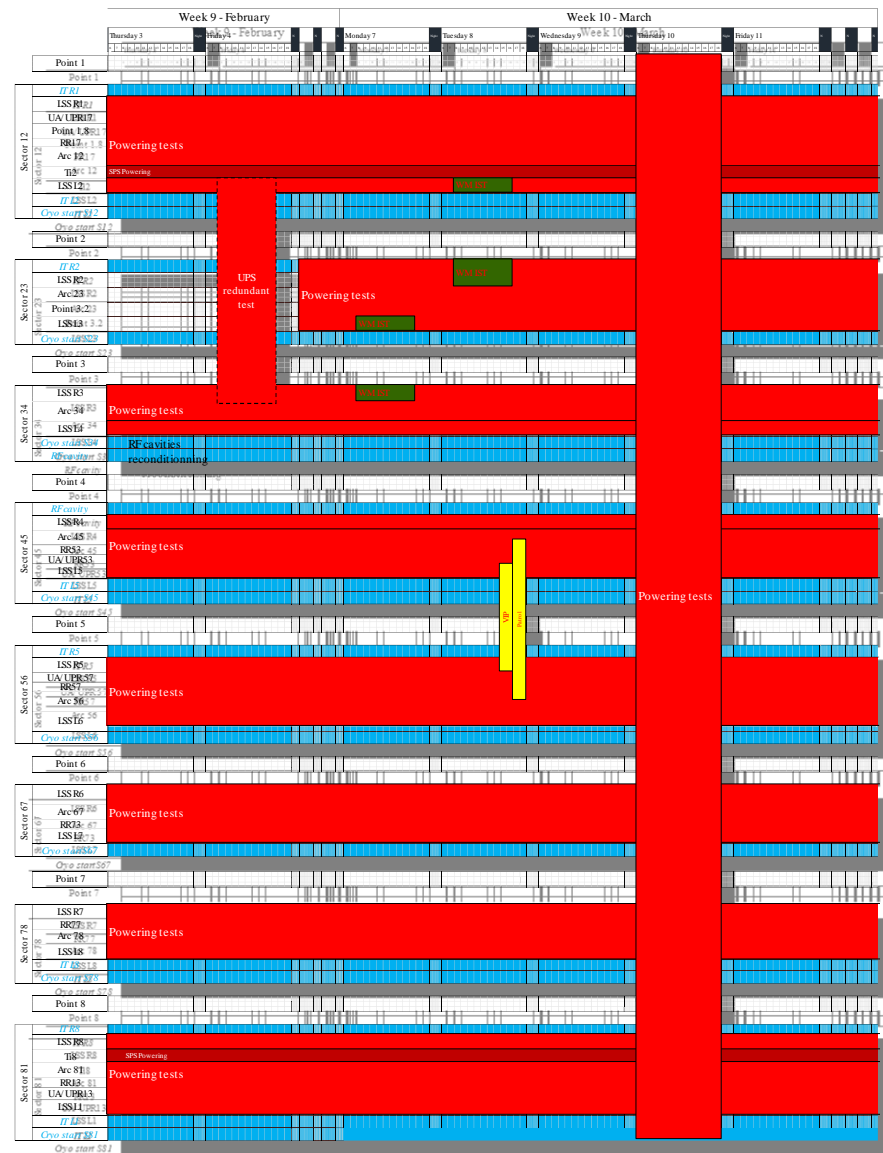
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15.03.2022

General info

[Link to access constraints](#)

- **This WEEK:** Access possible everyday between 9am and 5pm, except Thursday – machine closed

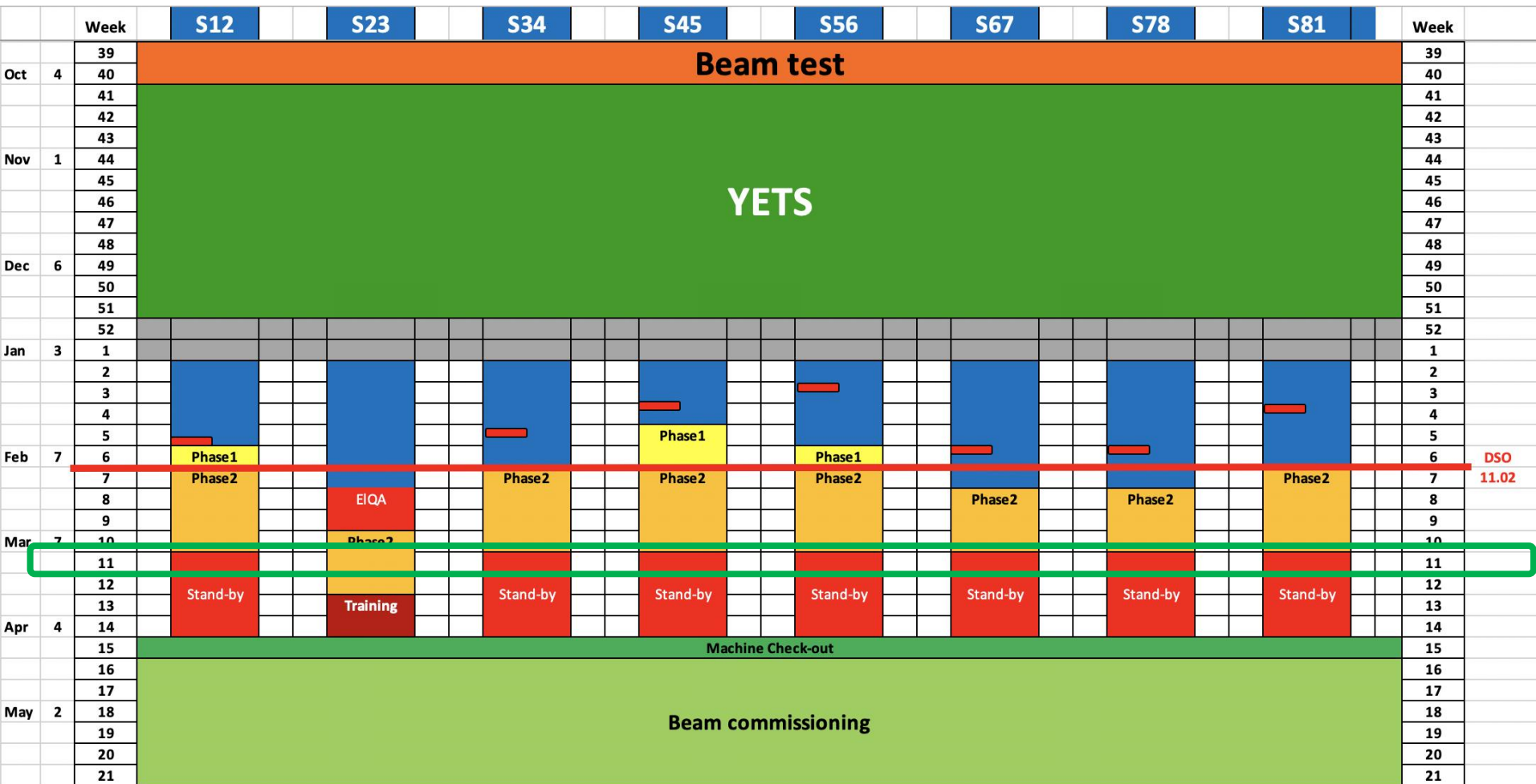


03/03/2022
© 03/2022



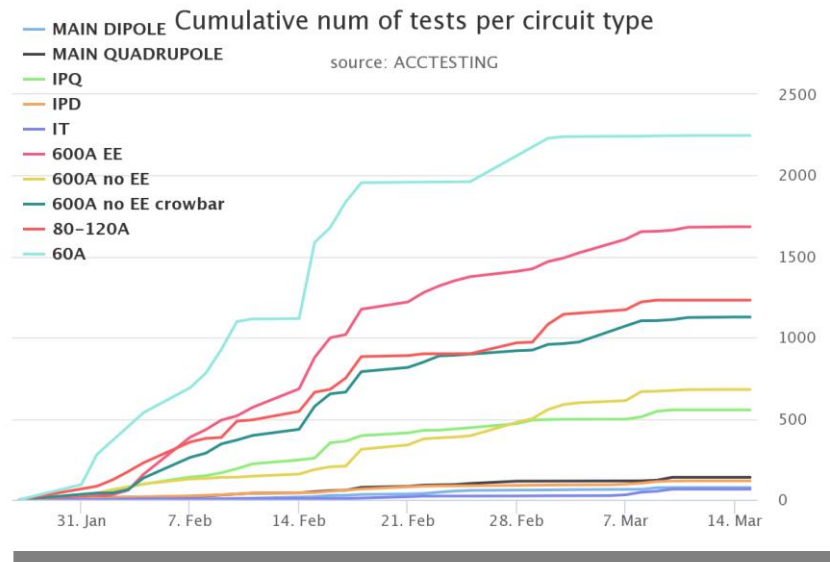
Powering tests planning

 EIQA



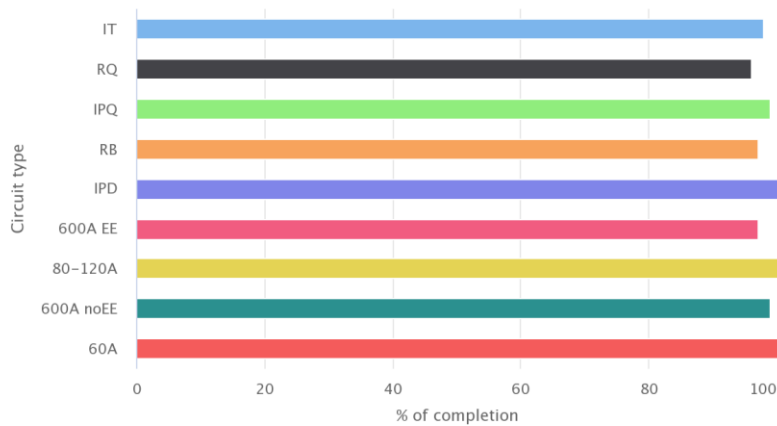
DSO
11.02

Powering tests advancement



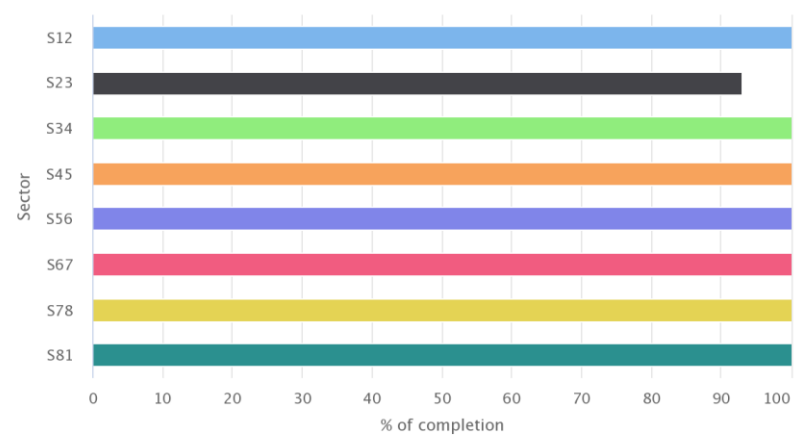
Executed tests per circuit type

Source: ACCTESTING



Executed tests per sector

Source: ACCTESTING

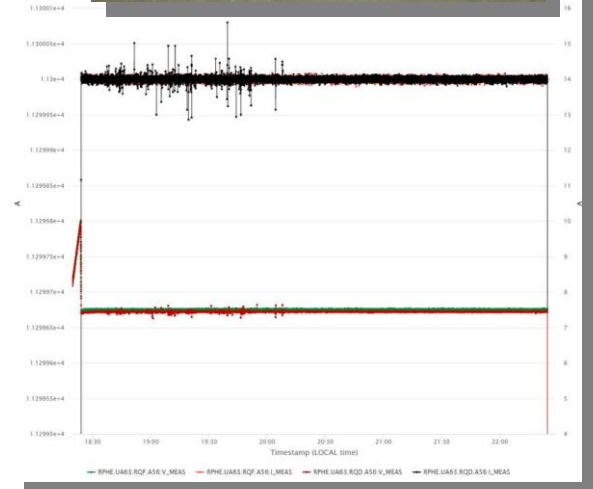


All sectors BUT S23

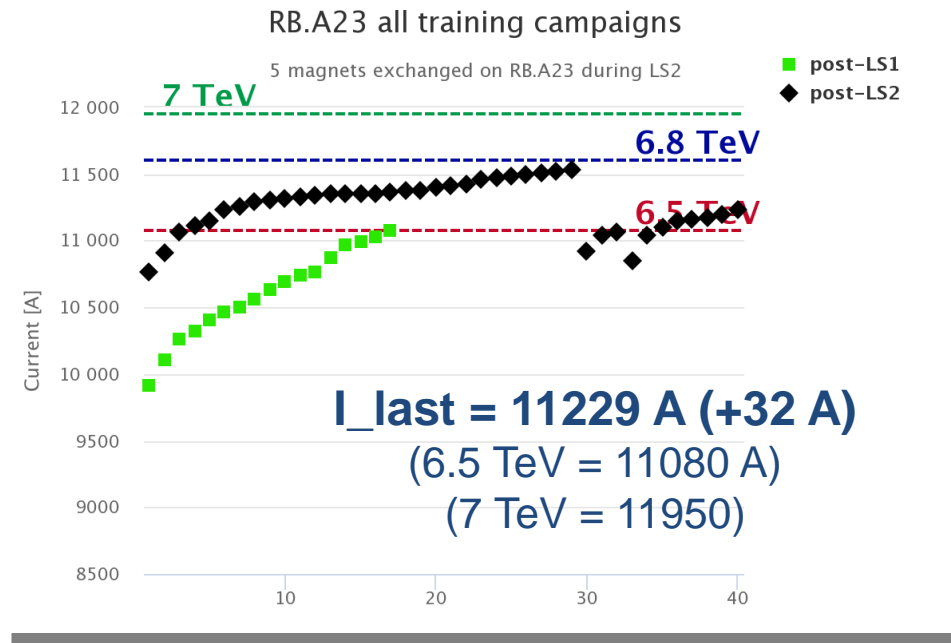
All circuits commissioned, but:

- **RCBV24.L4B1** – EPC intervention done identified a problem with a cable – **circuit commissioned after intervention**
- **RQD/F.A56** – **completed**, noise on RQD I_MEAS. The noise only shows occasionally and could be a EMC problem affecting the current measurement chain of both converters. Could come from the powering of the DCCTs as they are all in the same rack. Additional measurements needed in the tunnel. **No problem for operation**

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



Sector 23



- **RB:** nQPS configuration problem identified on Friday. Training continues with check from QPS team of the settings before each quench. **8 circuit quenches done**
- **RQD/F:** ready for nominal current
- **IPQ/D:** a few tests at I_{PNO} missing
- **RQ6.R2:** first quench at 3965A (last commissioning 12 quenches, target current reduced from 4310+50A to 4310+0A. Target for this campaign set to 4200+0A)
- **600A:** steps at nominal current ongoing
- **60/80/120A:** completed

Intervention on R2E-LHC600A-10V

- **Problem with the ventilation** of the R2E 600A converters identified
- It can be solved by **adjusting a potentiometer** that controls the fans (1 day per RR)
- **PCC tests are being repeated** after the intervention
 - RR13: Fri 11.03 - **done, all PCC passed**
 - RR17: Wed 9.03 – **done, all PCC passed**
 - RR53: Mon 14.03 - **done, PCC to be done**
 - RR57: Tue 15.03 – will be finished today
 - RR73: Wed 16.03 – possibly anticipated
 - RR77: Thu 17.03 – possibly anticipated
 - + Fri 18.01 as additional day for IP7

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
RB.A12		29.09.2021 @17:20					14.03.2022 @18:00	
RB.A23		07.01.2021 @17:30						
RB.A34		17.09.2021 @17:00					14.03.2022 @18:00	
RB.A45		14.07.2021 @17:30					14.03.2022 @18:00	
RB.A56		15.07.2021 @17:25					14.03.2022 @18:00	
RB.A67	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
RB.A78	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	
RB.A81		11.08.2021 @17:15						

FPA tests with snapshots will be carried out in all sectors following request from MP3

Most tests will be done on Thursdays (machine closed) + whenever possible during extended working hours (tentatively 17-18h)