

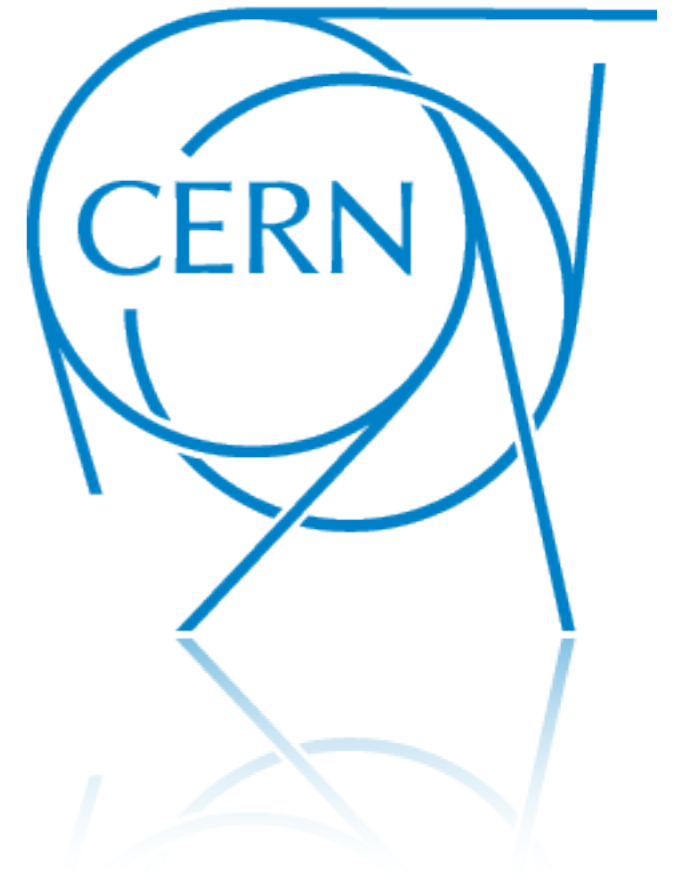


# COMPASS

Weekly Meeting  
01.06. - 08.06.

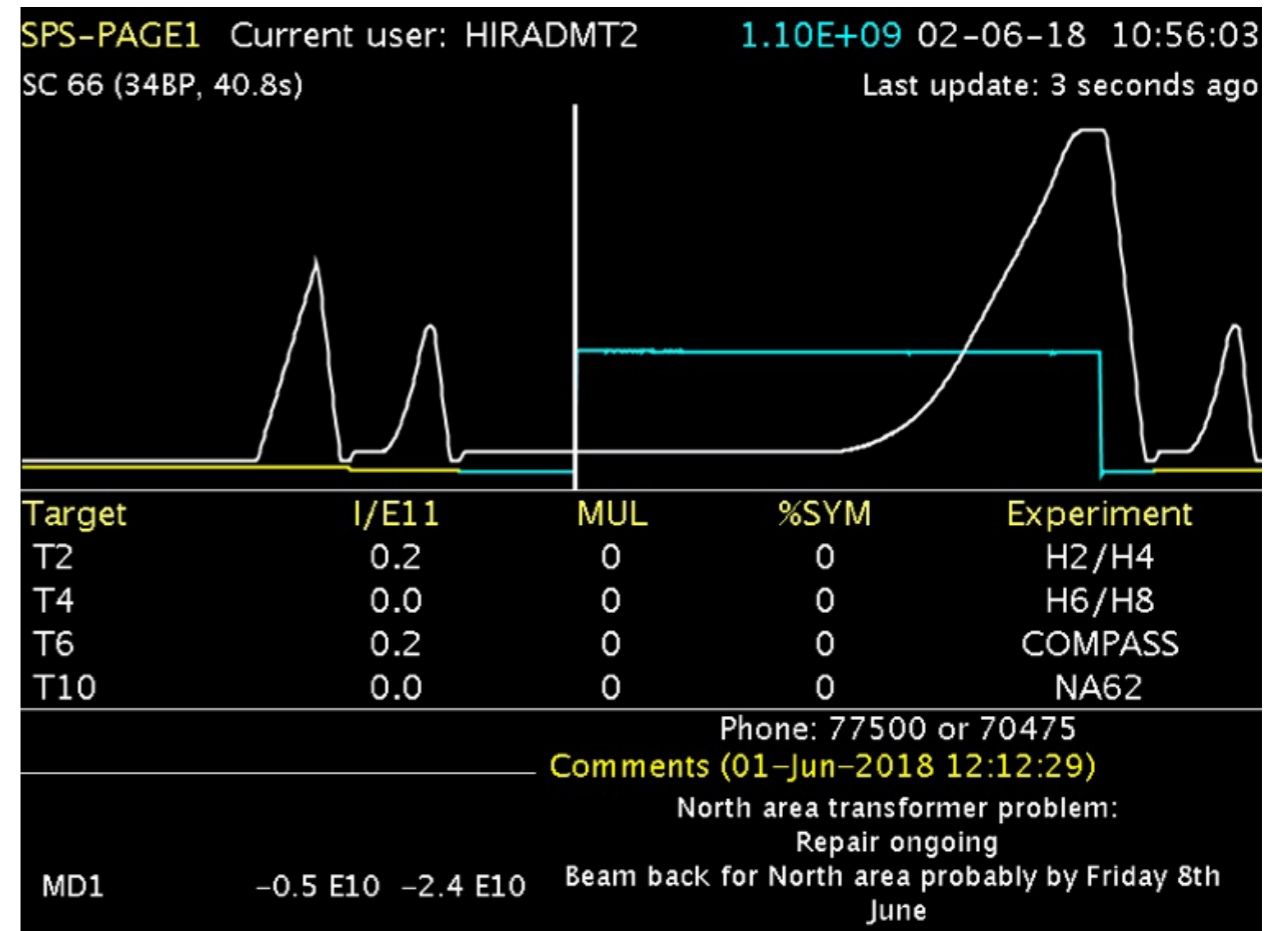
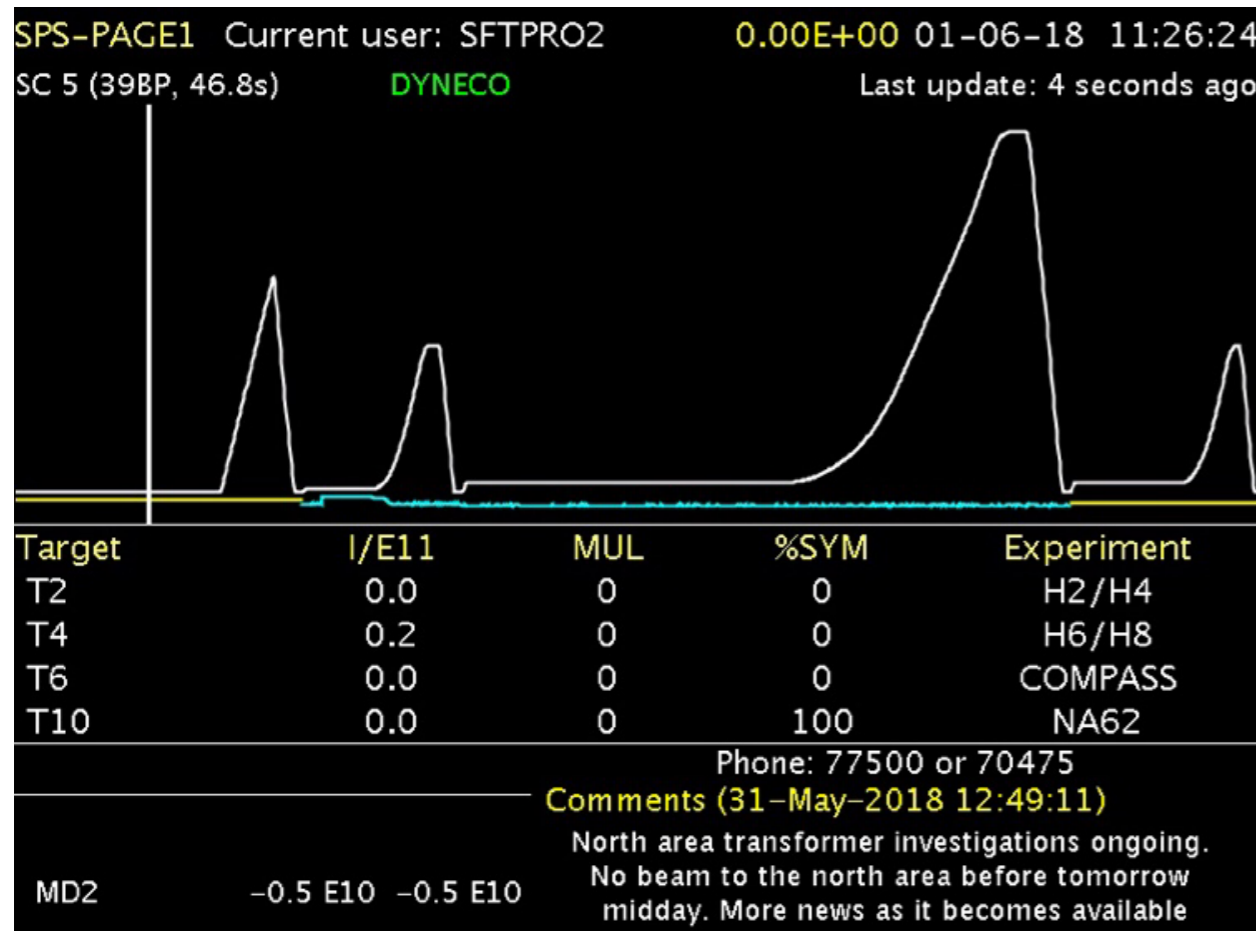
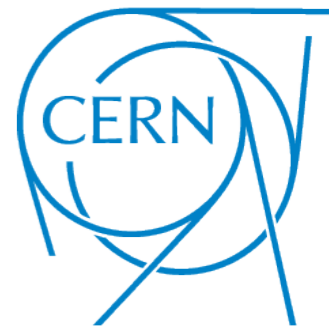
Friday, 8<sup>th</sup> June 2018

Christian Dreisbach





# Beam Status on Friday



Transformer problems - more news as soon as possible

Beam back for NA probably by Friday 8<sup>th</sup>

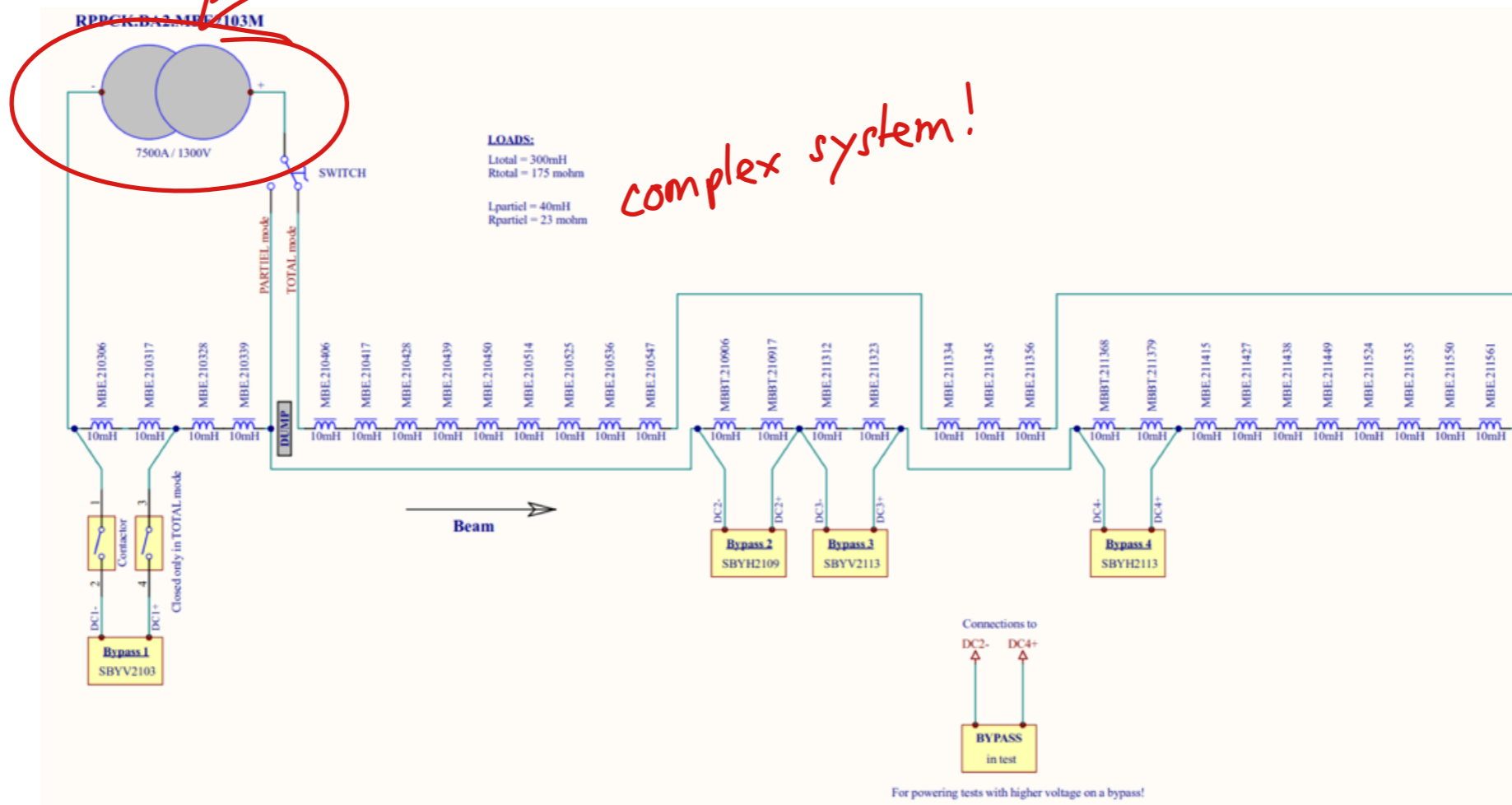
No beam since Wednesday 30<sup>th</sup> May

# Transformer Problem

MBE2103 Converter  
(7kA - 1300V)



- Buchholz relay:
- Release of gas
  - Hot spot
  - Electrical arc



# Transformer Problem

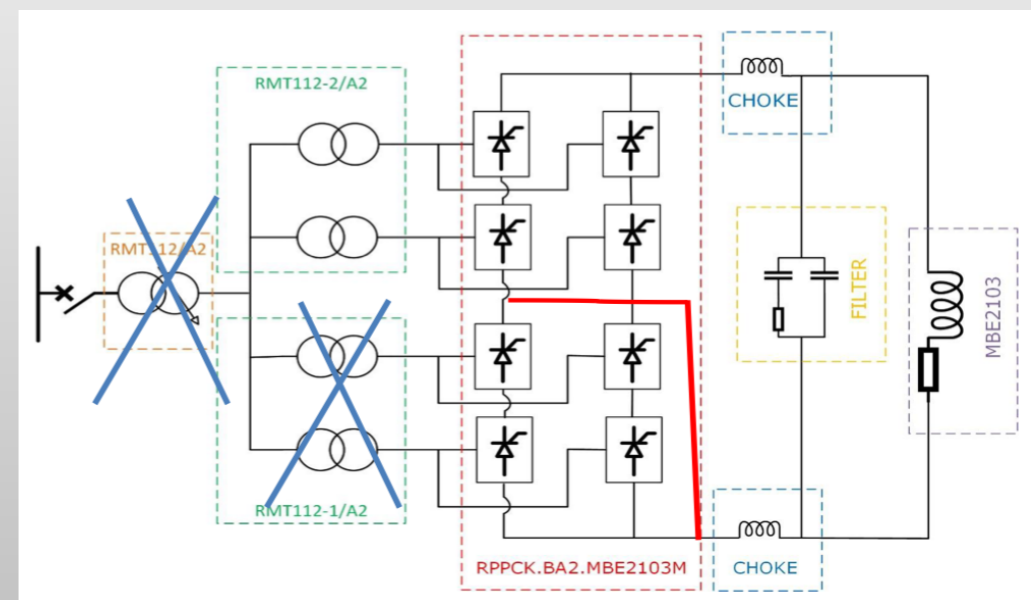
Manufactured in 1981 and no spares present

## Plan A

- Open transformer tank
- Visual inspection
- Offer from ABB
- Repair

## Plan B

- Converter modification



**First time estimation: 5 days,  $t_0$  = Monday**



# Activities

Friday - Monday



- RICH: CLAM system test - computer „downgrade“ successful
- RICH: C<sub>4</sub>F<sub>10</sub> gas arrived and tests started
- Visit: Sunday morning by a small group of 7 students
- MicroMegas: MM01Y overcurrent - switched off, expert working



- Target relaxation test ongoing (both polarizations)



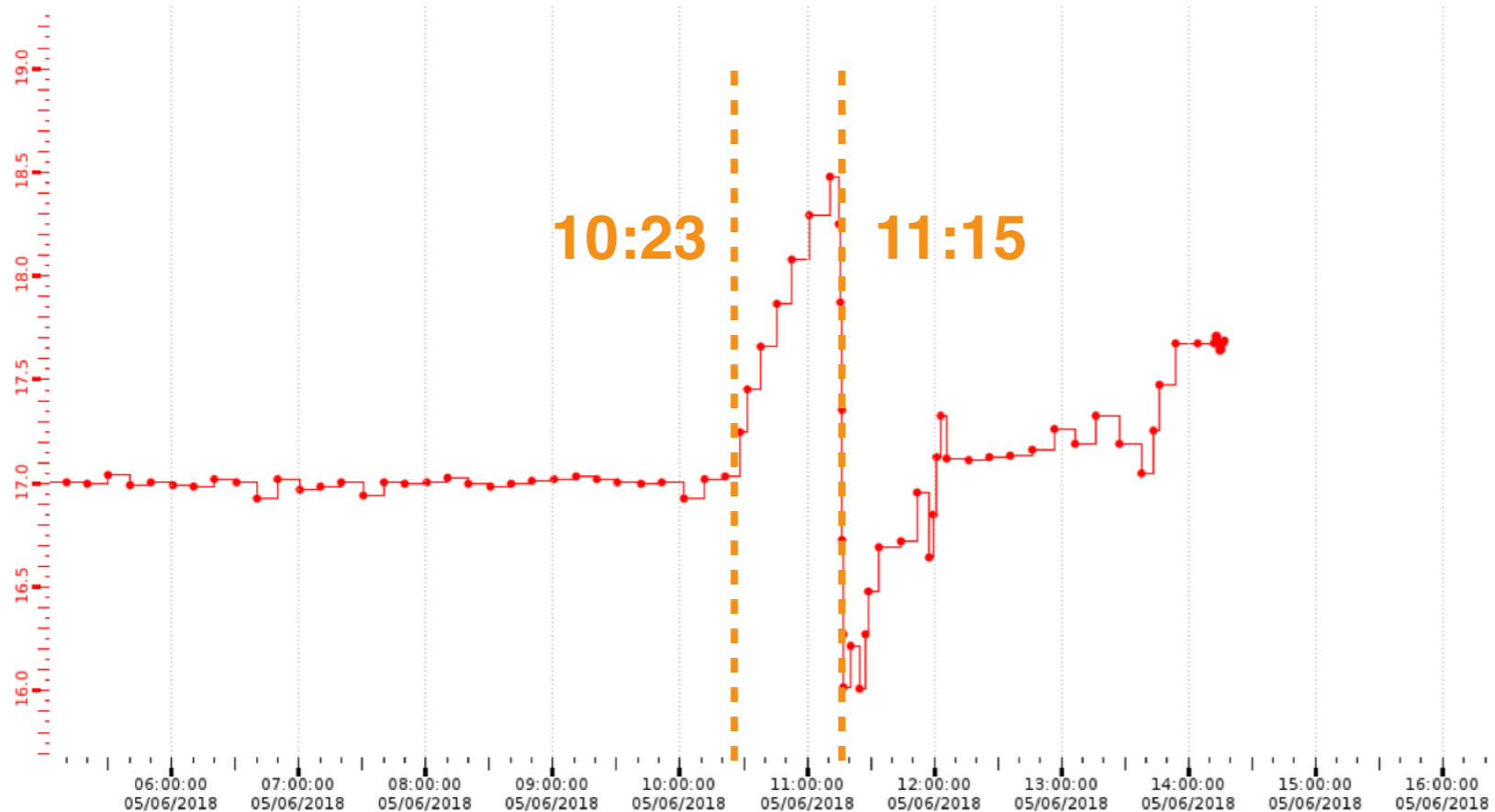


# Activities

Monday - Tuesday



- Raw water interrupted



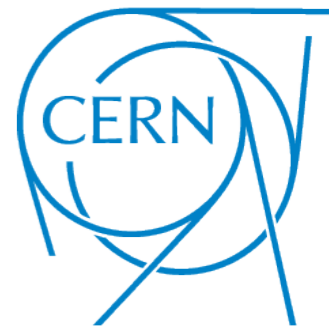
➔ Straw: Pump/LV went off - restarted

➔ Target: Diffusion pump went off - restarted

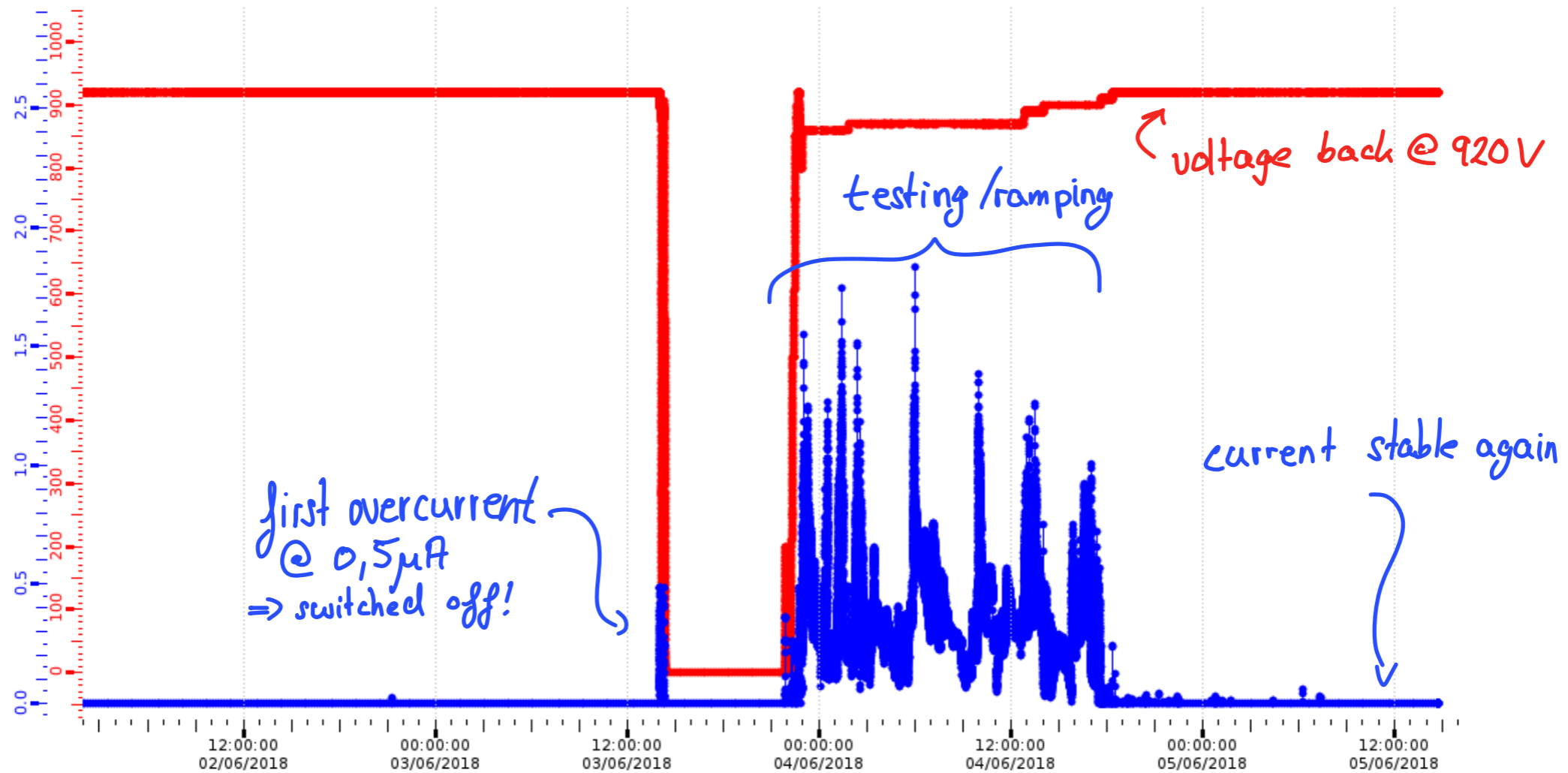


# Activities

Monday - Tuesday



- MM01Y\_GEM\_Top overcurrent cured



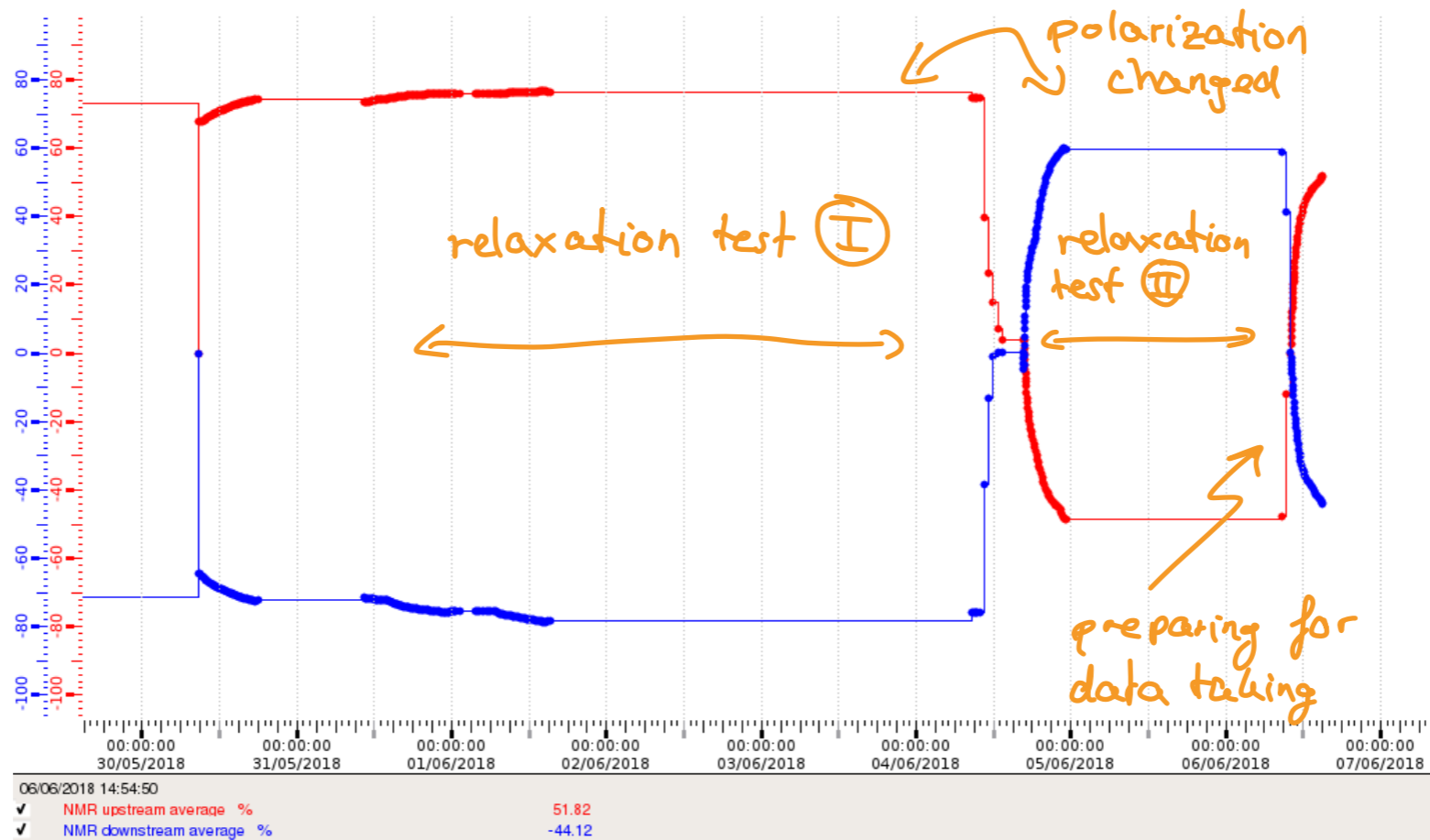


# Activities



Tuesday - Wednesday

- Target: relaxation tests finished - polarization for data taking



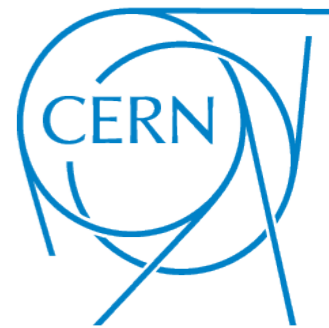
- MWPC: work finished
- RICH Wall: work on gas system ongoing
- Survey: PS01 and DC04
- DAQ: Service for spill structure restarted



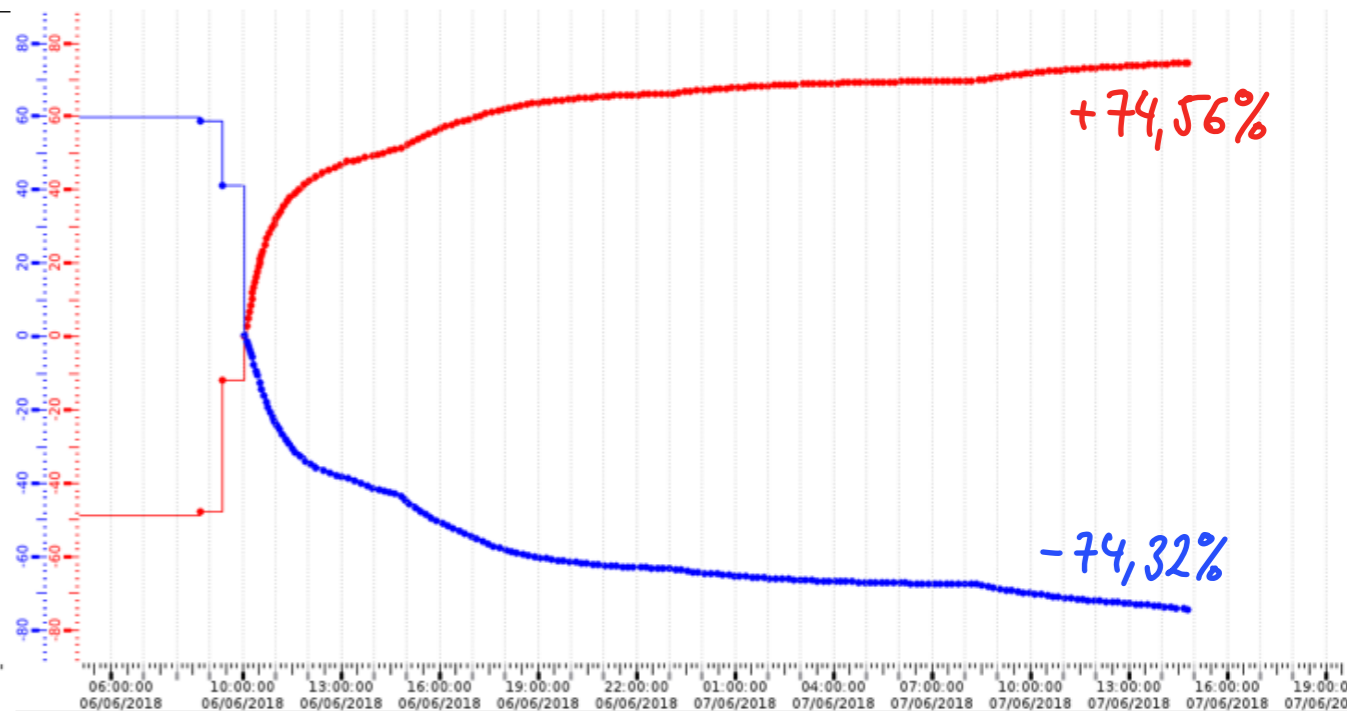
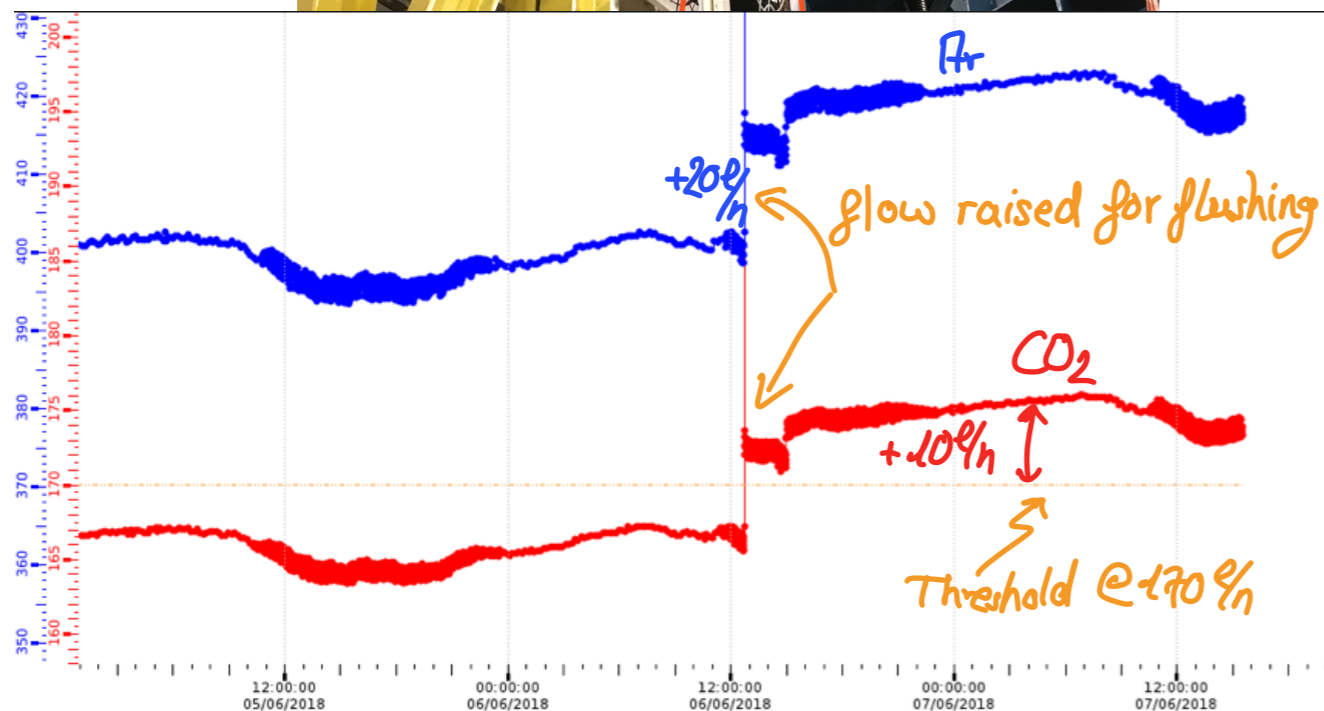
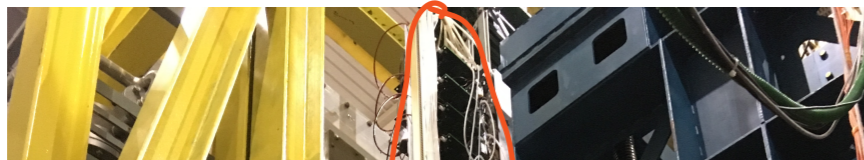


# Activities

Wednesday - Thursday

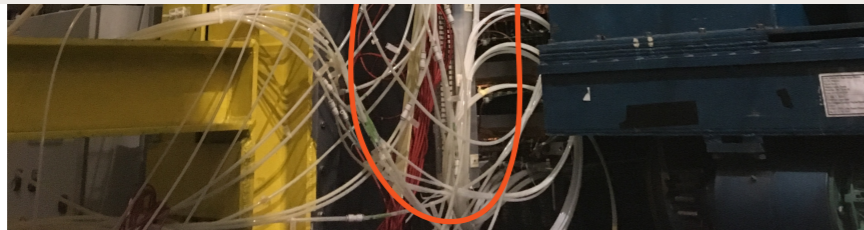


- RICH Wall: work finished
- Target: polarization ongoing



07/06/2018 15:29:51	
✓ Rwall Gas Flow Co2 Val lh	173.29
✓ Rwall_Gas_Flow_Ar_Val lh	417.14

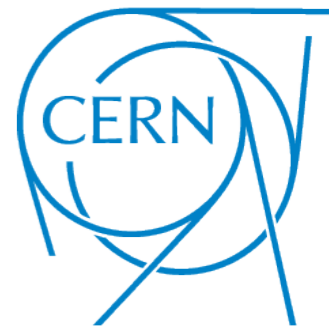
07/06/2018 14:48:11	
✓ NMR upstream average %	74.56
✓ NMR downstream average %	-74.32



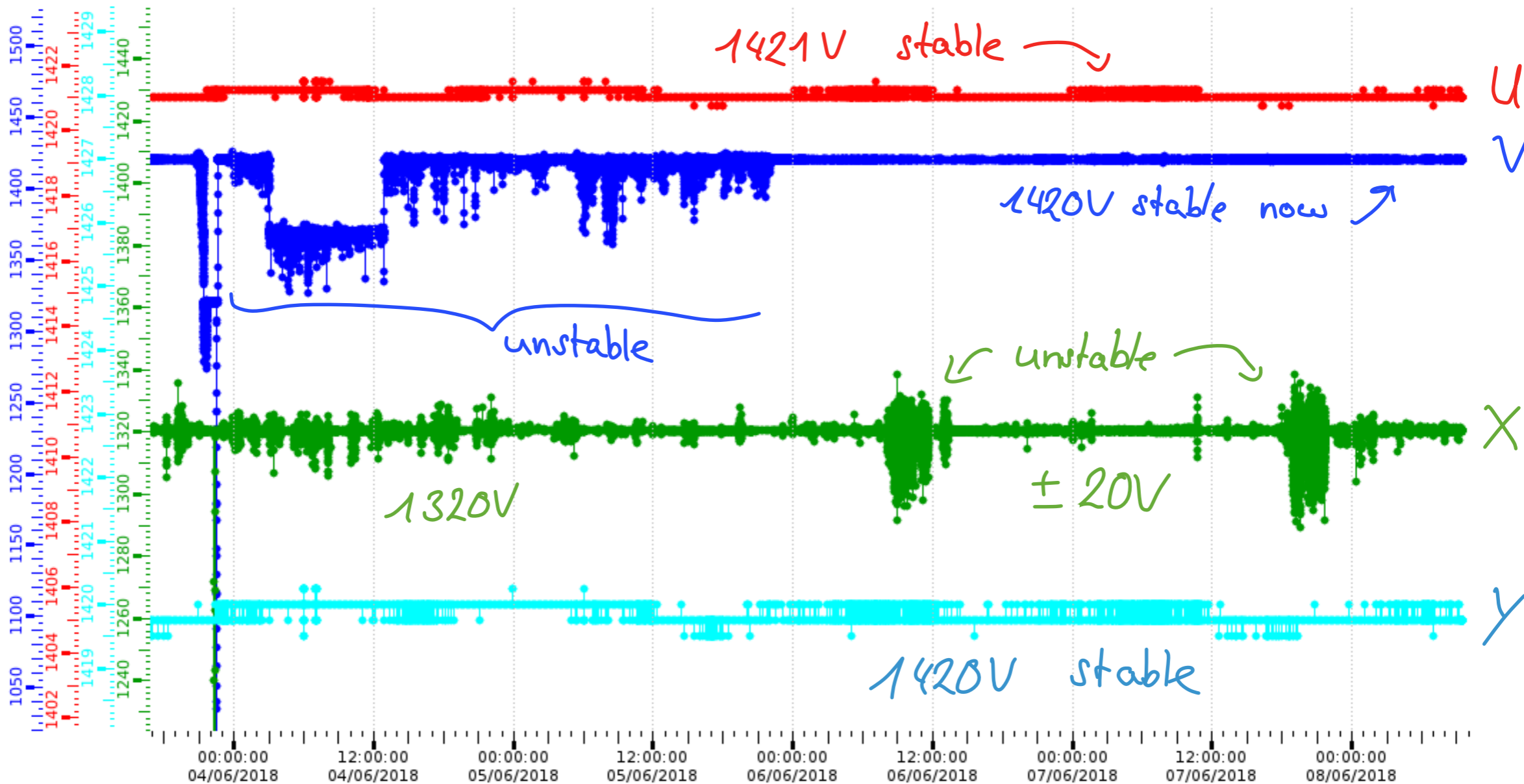


# Activities

Thursday - Friday



- MicroMegas: Unstable and overcurrent MM02V + MM02X



08/06/2018 09:29:27		
↙ Mm Hv 2 MM02U Drift vMon	V	1421.00
↙ Mm Hv 2 MM02V Drift vMon	V	1420.50
↙ Mm_Hv_2_MM02X_Drift vMon	V	1320.50
↙ Mm_Hv_2_MM02Y_Drift vMon	V	1419.75

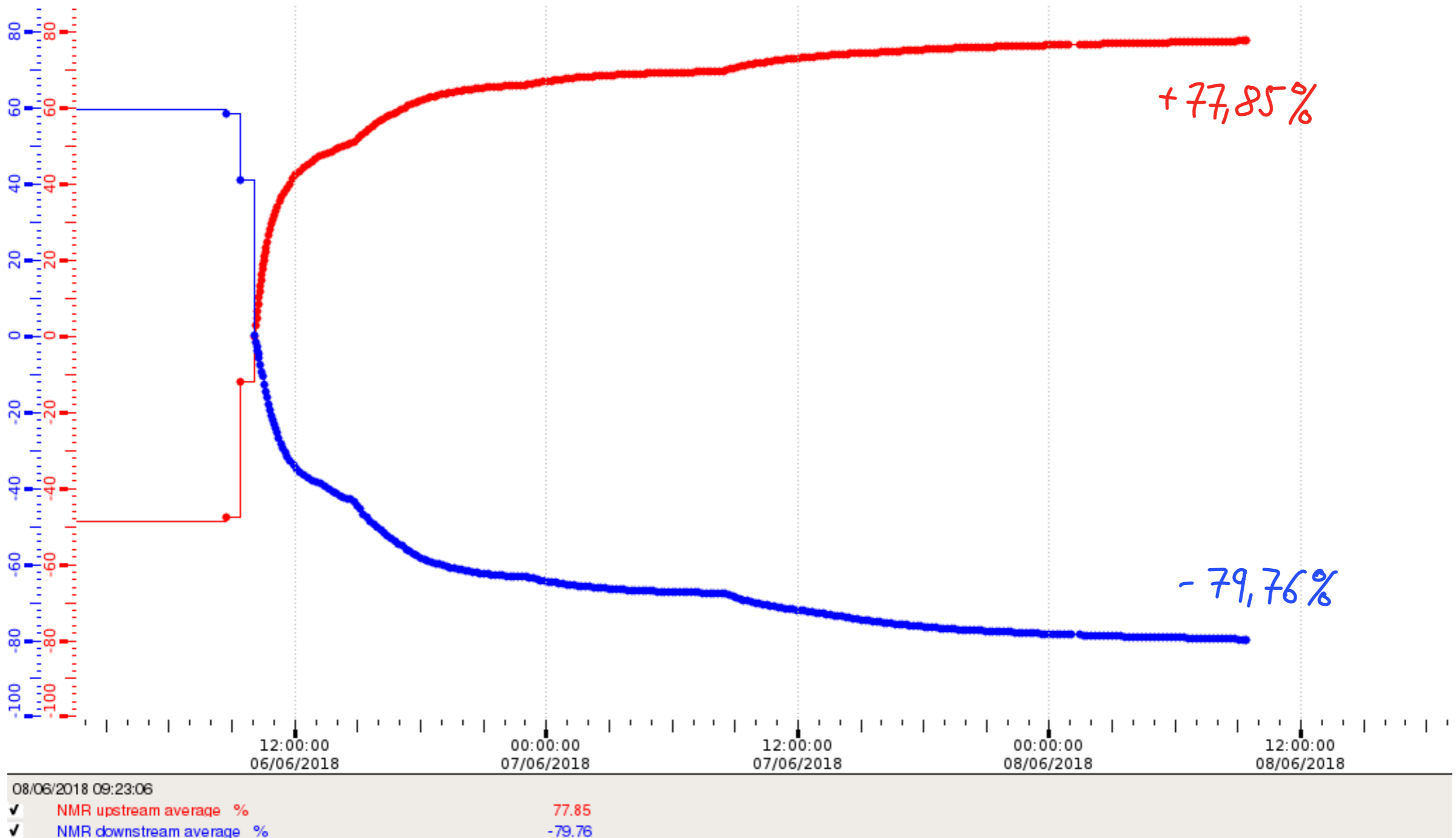


# Activities

## Thursday - Friday



- Target: Polarization for data taking





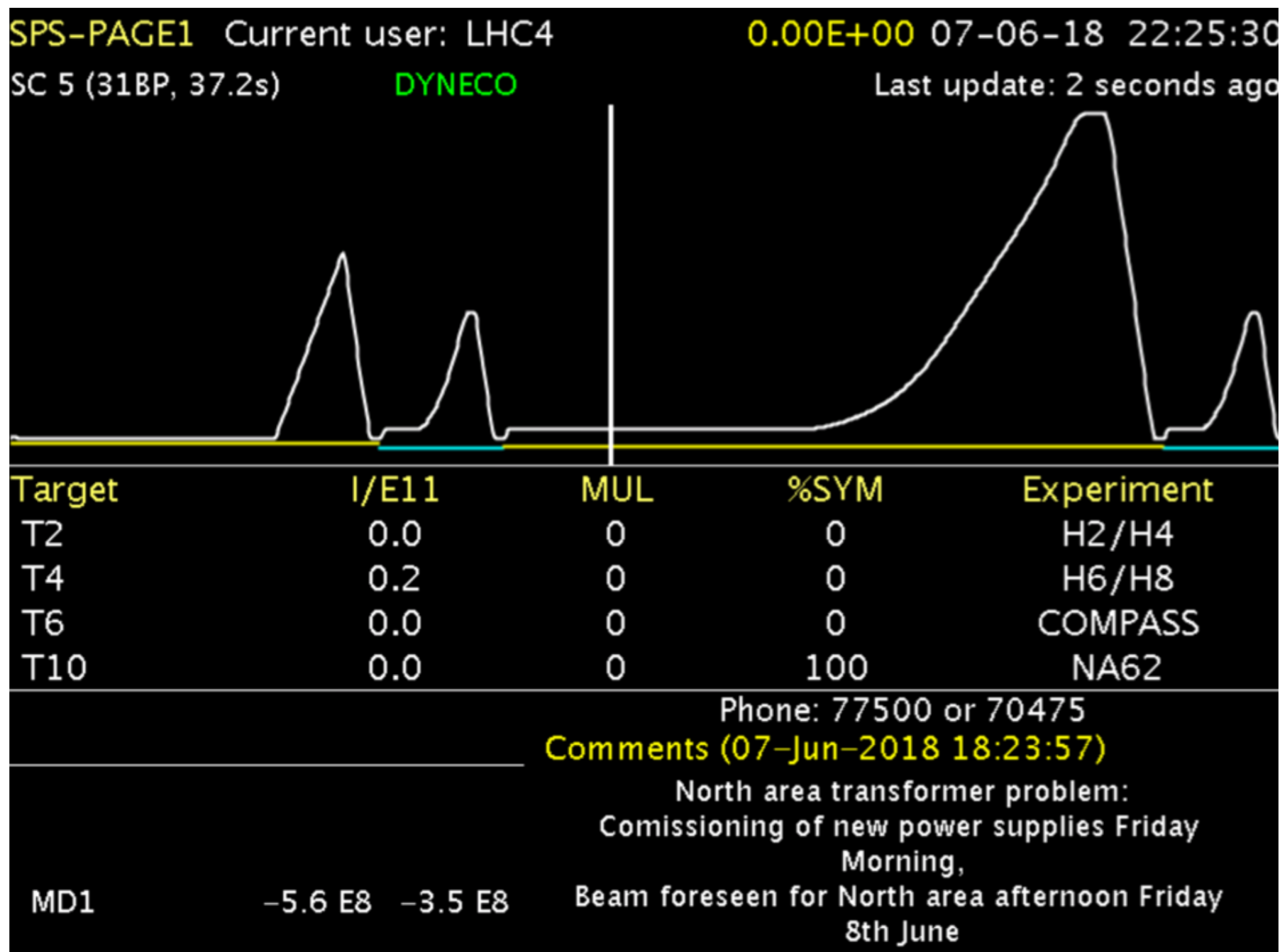
# Recorded Spills



0



# Beam Status TODAY



**Beam foreseen for North Area this Friday afternoon!**





**Thanks to all the shifters and their patience!**

Fulvio Witold Miroslav Sabyasachi Martin

Bohdan Bakur Stephane Marcia Renat Alexandr

Stefan Vitalii Henri Moritz

...

Good data taking for the next Weekly - Fulvio