

Detector status

May 6 – May 13, 2022



FCT Fundação para a Ciência e a Tecnologia

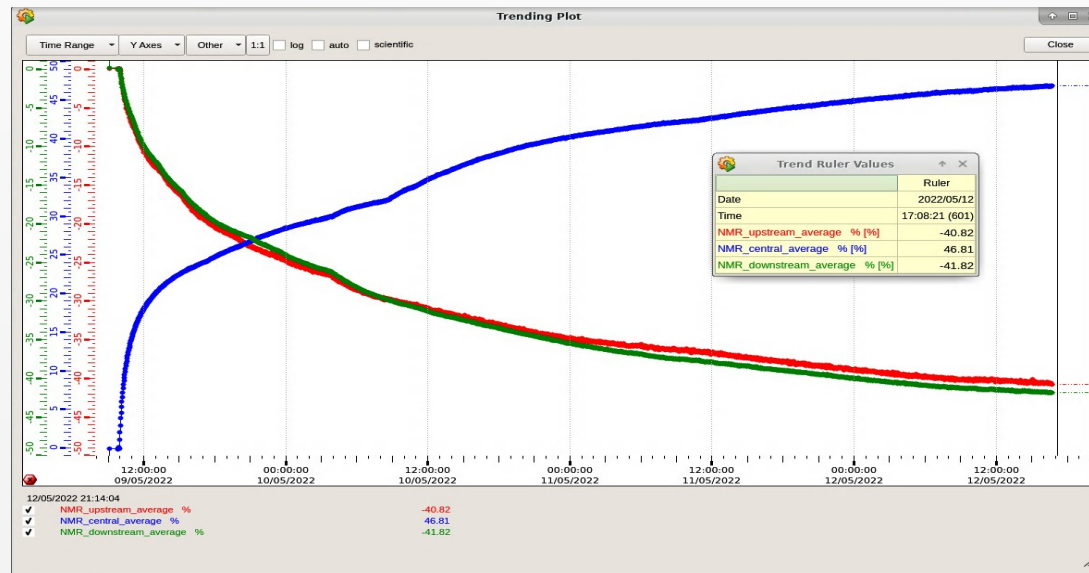
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

PTgt

Dipole magnet stability test : May 6 – 9 #65864

DNP : May 9 – 12 #65879, #65928

- Solenoid ramp up
- Polarization : -40.8%, +46.8%, -41.8%
- SM1 switched on : NMR peak positions shifted #65888



Frozen spin mode : May 12 – May 16

- Optimize Liquid helium consumption
- Relaxation time measurement

Trigger

CALO Thresholds for HCAL2 loaded #65906

Trigger timing checks

Double pulse on BT removed #65908

BMS

Ready

- Readout connected to NA64

Silicons

Ready

SciFi

Ready

- Smaller issues to be solved

MM

Ready

- SrcID 382 reloaded – May 10 #65889
- MM03X GEM HV issue – May 10 #65929
- Move channels to spare board

DC

Ready

- DC00 – 04 #65862, #65863, #65877, #65881, #65899, #65901, #65911
 - MurphyTV SrcID errors come and go
 - ICV card for DC04 thresholds replaced
 - Powerswitch for pccofe21 prepared
 - Air blower for DC00 prepared
 - DC04 gas bubbler not bubbling from time to time
- DC05

Straw

ST03X1 – 1 Broken wire #65874, #65878, #65915, #65931

- Fixed during access – HV back on

GEM

HV scan commissioning #65886

HV switched on – May 10 #65890

- Pixel GEM HV off

Pedestals taken #65919

MurphyTV errors : GEM04, 08 and PGEM #65918, #65920, #65921

RICH

RWall, MWPC

SrcID errors #65910, #65925

MW1

MW2

Nominal gas mixture #65880, #65891, #65902

HV nominal

- Station 2 X and V Ch003 tripped at ~1900 V and ~2200 V #65926

SrcID errors fixed #65903, #65904, #65927

W45

DCS gas alarm limits updated #65897

HCALs

HCAL1 : switched on

ECALs

DAQ

Ready

DCS

Ready

Thanks to all the detector experts!

Backup

ACTIVITIES PLANNED FOR THE WEEK 18/19 [06/05 ->13/05]

Detector-System	activities planned	requests
BMS		
SciFi	FI06V issue - low voltage	
Silicon Trackers		
Polarized Target	dipole tests	
Micromegas		
DC0 DC1 DC4	DC0 oscillations - pccofe21 reload, huge noise ; DC4 problems with src259	
DC5	noise level and Hv, it can be moved in beam position, wifi	
Straw 3		
GEM	new pedestals next days, check whether send data	
RICH	RICH filling May 23 after power cut, MAPMTs to be commissioned	
RICH Wall	<i>LV tested, FE on, ready for beam</i>	
MWPC		
ECAL1	shlashlik part HV level (transversity)	
ECAL2		
HCAL1	<i>Expert May 11</i>	
HCAL2		
MW1	<i>Expert May 13</i>	
MW2	trip HV- investigation	
W45	<i>tests when commissioning, station3 off?</i>	
Trigger	voltage scans, timing beam trigger	
DAQ		
DCS		
BEAM	contact Dipanwita for fine tuning	

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Andrea Moretti, Planning and general information - May 6

Christophe Pires, Detectors: Status and plans - May 6