

PS status 17 May 2018

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Status of beams

Fixed target beams	Status	Comment
EAST Irrad/North with nTOF Parasitic	Operational	PAXP502 around alarm level A Extraction, steering optimized
MTE	Operational	to SPS $\sim 1.4 \cdot 10^{13}$ ppp (tested $1.8 \cdot 10^{13}$)
TOF	Operational	Up to $\sim 8 \cdot 10^{12}$ ppp
AD	Operational	$\sim 1.4 \cdot 10^{13}$ ppp sent to AD
LHC-type beams	Status	Comment
LHC PROBE, LHC INDIV	Operational	
LHC25 (12b, 72b)	Operational	
LHC25 BCMS (12b, 48b)	Operational	

PS Complex Issues

- EAST AREA:

- Radiation monitor PAXP502 around alarm level A
 - for example with 2xEAST1 @60e10, 2xEAST2@32e10 in 24 BP supercycle
- IRRAD/CHARM agreed to have some time for extraction/steering
- Done yesterday, optimizing extraction elements and steering
- Slight improvement in radiation level but not as good as last year

- No relevant faults
- 98.1% availability

Availability

98.1%

Blocking Faults

10

Total Faults

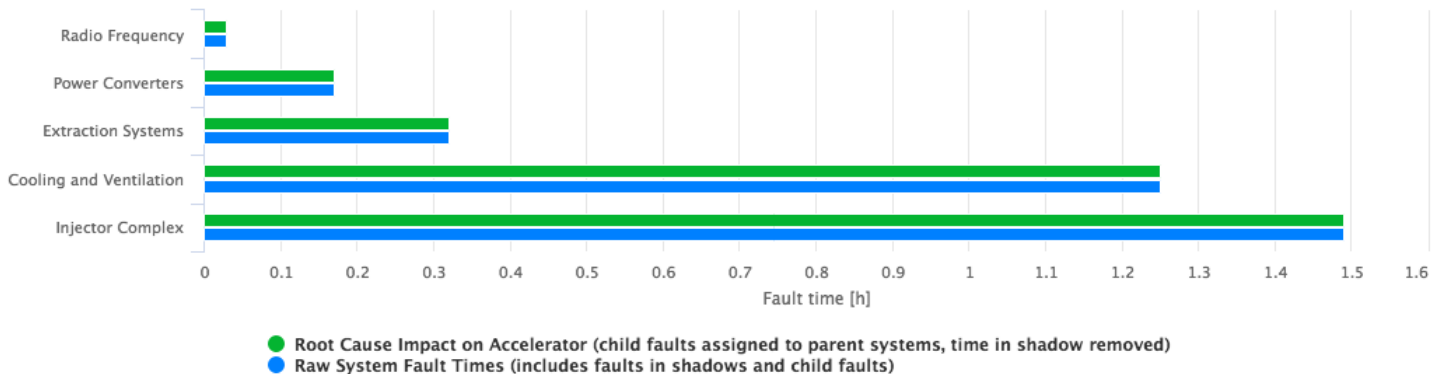
10

Fault Duration (overlap excluded)

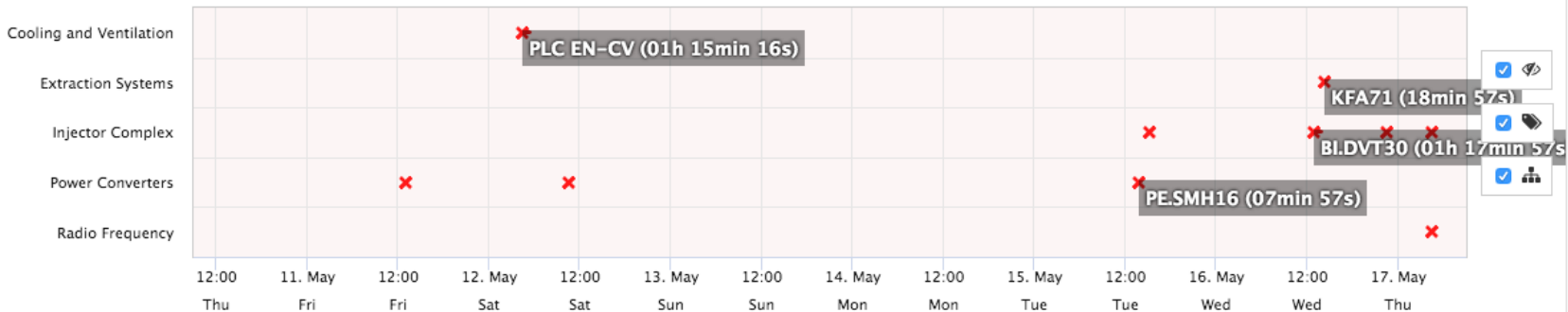
3.3h

Blocking Faults by Root Cause

System Downtime Vs Accelerator Impact

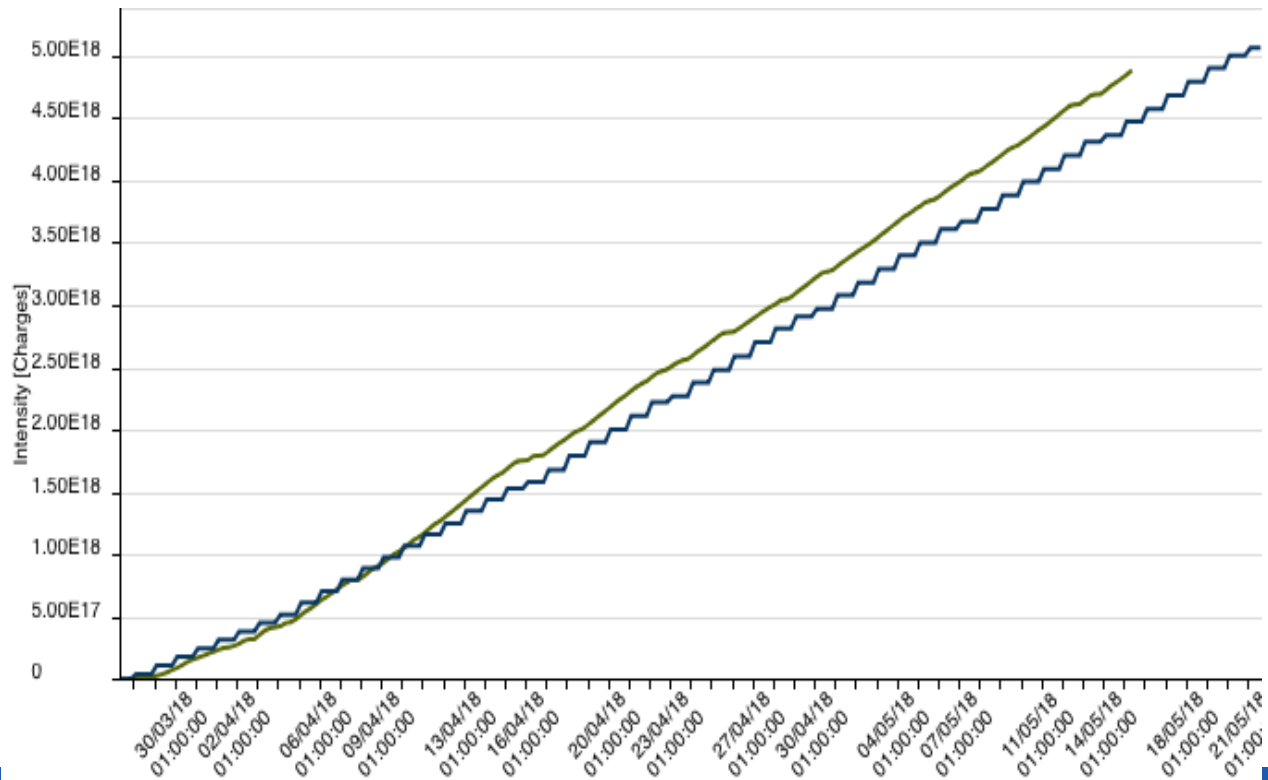


Faults Timeline



NTOF integrated intensity

- **4.88×10^{18}** pot delivered up to now
- ~8% above estimated intensity
- This is **22.5%** of the total intensity forecasted of **2.17×10^{19}** pot





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