

PS statistics Thursday 02/08 11:00 to Thursday 09/08 11:00

98.4%

Blocking Faults

6

Total Faults

7

Fault Duration (overlap excluded)

3.5h

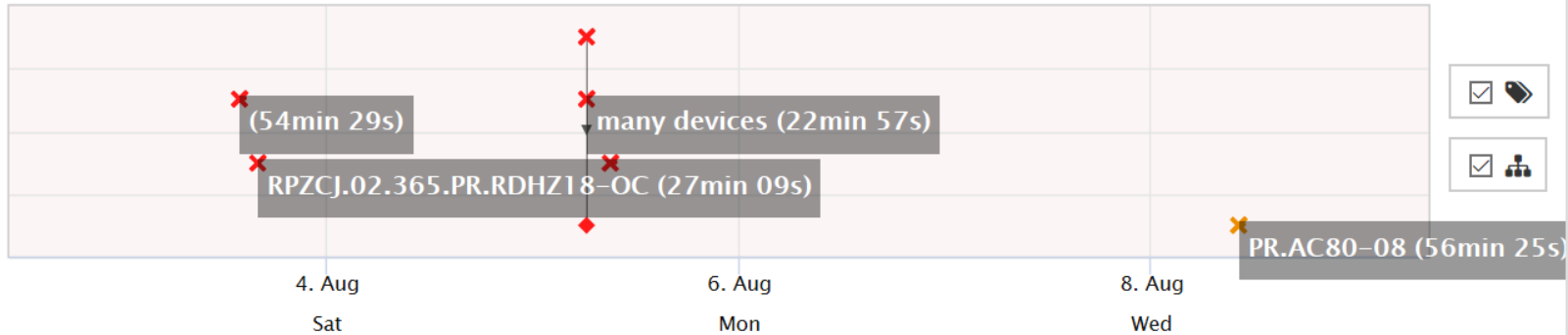
Faults Timeline

Electrical Network

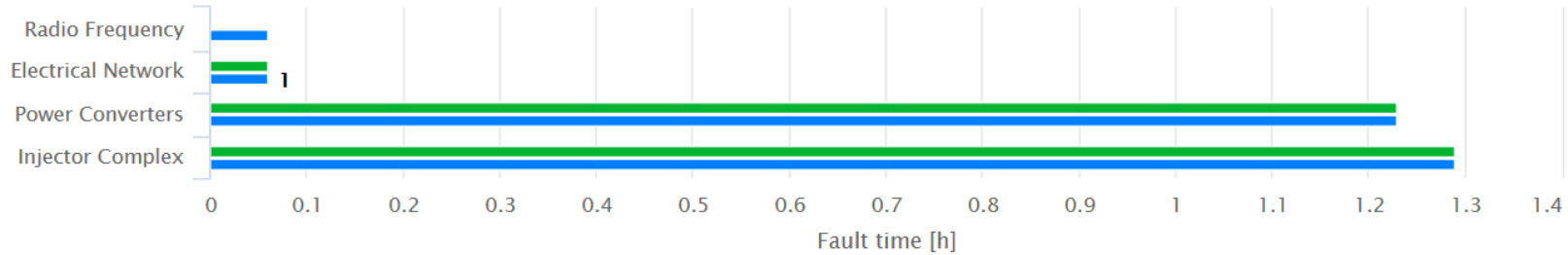
Injector Complex

Power Converters

Radio Frequency



System Downtime Vs Accelerator Impact



- Root Cause Impact on Accelerator (child faults assigned to parent systems, time in shadow removed)
- Raw System Fault Times (includes faults in shadows and child faults)

PS operational beams 10 August 2018

fixed target beams	status	comments
EAST1 (Irrad)	OK	slow extraction revised
EAST2 (North)	OK	
TOF	OK	new cycle deployed; users happy
AD	OK	
MTE	OK	adjustments throughout the week
VLI MTE		don't think it has been used this week

PS operational beams 10 August 2018

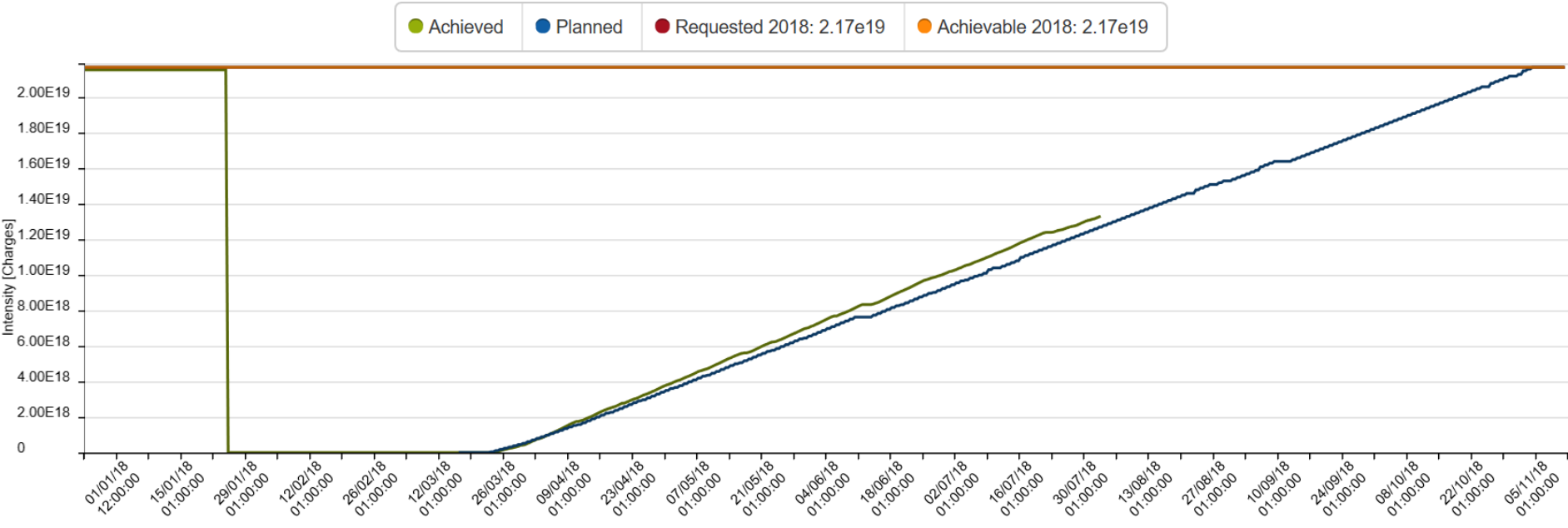
LHC type beams	status	Comments
LHC PROBE	OK	
LHC INDIV (nominal)	OK	
LHC25 (12b, 72b)	OK	
LHC25 BCMS (12b, 48b)	OK	sent to LHC after having been re-established by Heiko
LHC25 8b4e BCS (32b)	OK	
iLHC EARLY (Pb54+)	OK	
iLHC100 (4b)	OK	taken by SPS; some intermittent issues with C80-08 not pulsing Recurrent prbs. with QDE217 seems now OK
iLHC200 (2b)		not used

All beams recovered after the LLRF problems; all manipulations have been rolled back; there is only one setting different than before (detail)

Good performance (stable at high intensity) as before the power cut

C40-77 still not working (since Wednesday) running without spare; it seems that the PIPO is unable to repair the power supply and the expert is absent; only 40-78 is in use

PS accumulated number of protons to TOF



09/08/2018

New TOF cycle deployed (presented at MSWG 13/07)

New cycle with 2.5 GeV intermediate flat bottom for longitudinal blow-up was deployed

Losses during PS cycle are reduced by ~3%

E. Chiaveri expressed his thanks at the users' meeting

