

Machine availability and issues

- Main issues came from upstream machines:
 - Linac2 vacuum issues and intervention and PSB recovery for EN glitch

Availability

95.1%

Blocking Faults

29

Total Faults

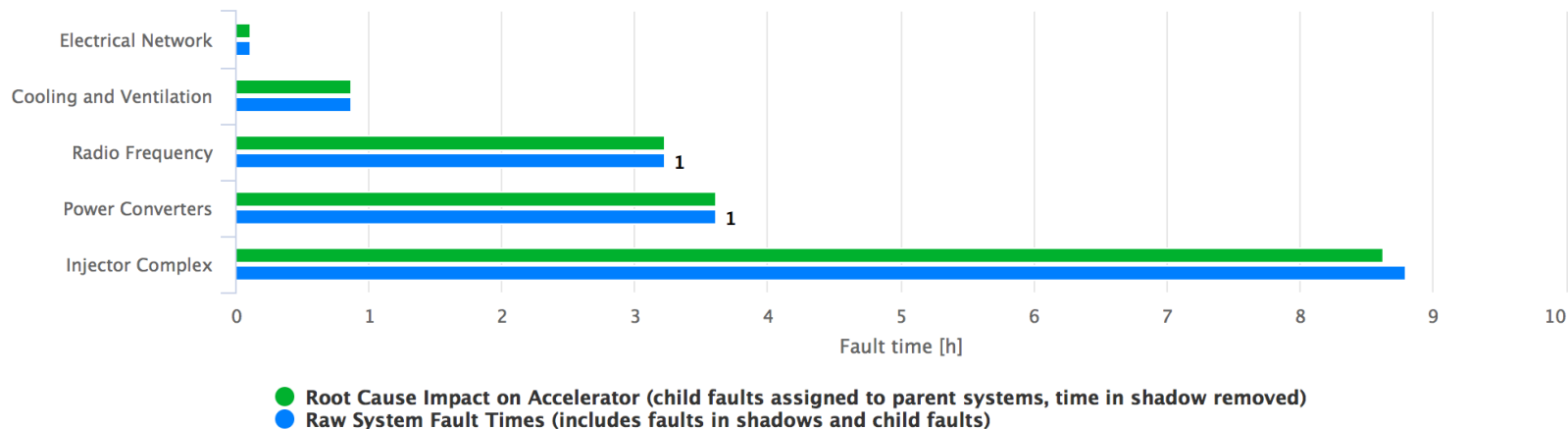
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Fault Duration (overlap excluded)

16.5h

Blocking Faults by Root Cause

System Downtime Vs Accelerator Impact



Status of operational beams (1)

LHC Beams	Status	Comments
LHC PROBE	OK	
LHC INDIV (nominal)	OK	LHC MD: 0.8 and 1.8E11 ppb
LHC25 (12b, 72b)	OK	
LHC25 BCMS (12b, 48b)	OK	LHC MD: 0.3, 0.4, 0.8 and 2E11 ppb
LHC25 8b4e BCS (32b)	OK	LHC MD
iLHC EARLY (Pb ⁵⁴⁺)	OK	
iLHC100 (4b)	OK	
iLHC200 (2b)	OK	Sent to LHC MD with stripping foil at FTS.BTV379 in TT10

Status of operational beams (2)

FT Beams	Status	Comments
EAST1 (Irrad)	OK	
EAST2 (North)	OK	PANDA/RE22 request extra spills where possible
TOF	OK	Tentative agreement to roll out new cycle with 2.5 GeV/c intermediate plateau with longitudinal blow-up on 1 August (next week)
AD	OK	
MTE	OK	~1350E10 ppp
VLI MTE	OK	(Very Low Intensity) 20 – 50E10 ppp sent to SPS

MDs (1)

MD	Details
MD3368	PS & AH: PS optics measurements
MD3826	MF, PA & AH: PS to TT2 stitched model in YASP
MD3808	MV & HD: Barrier buckets with Finemet cavity
MD3105	AH & MK: Tune diagram measurements
MD3104	FA: Space charge studies
MD3269	VF et al.: Evaluation of post-pulse ripple for different amplitudes of KFA45 voltage
MD3844	AH & JS: BGI vs WS cross-calibration
MD2586	ES: Beam mis-steering at injection in the PS
MD3812	AH: Compensation of $Q_y = 6.25$ with ODN

MDs (2)

MD	Details
MD3810	AH: Chromaticity variation due to eddy currents
MD3364	AH: LHC beams with low chromaticity
MD3367	MM: Transverse tune shift vs intensity (transverse impedance measurement)
MD3745	AL & SA: Calibration of the RF voltage for tomography