

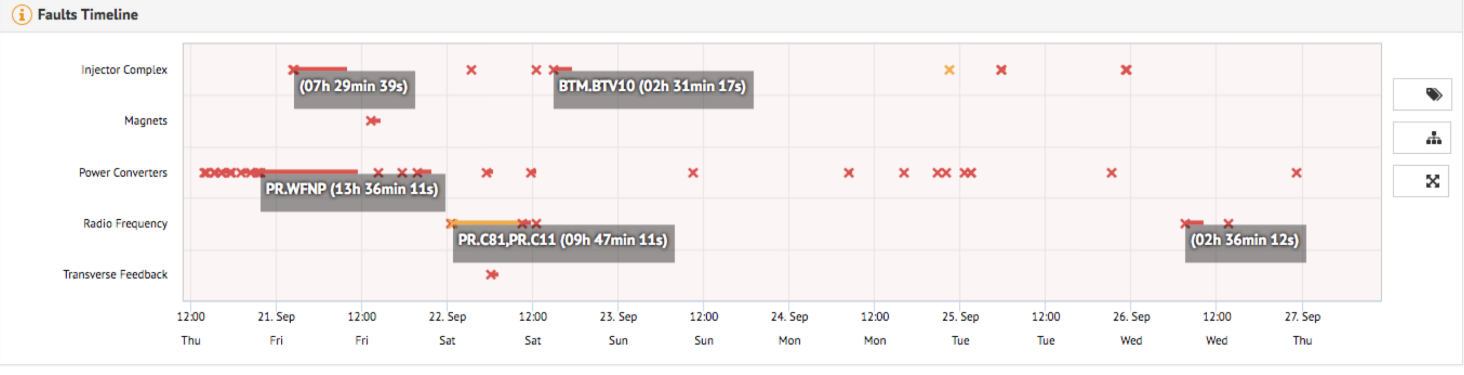
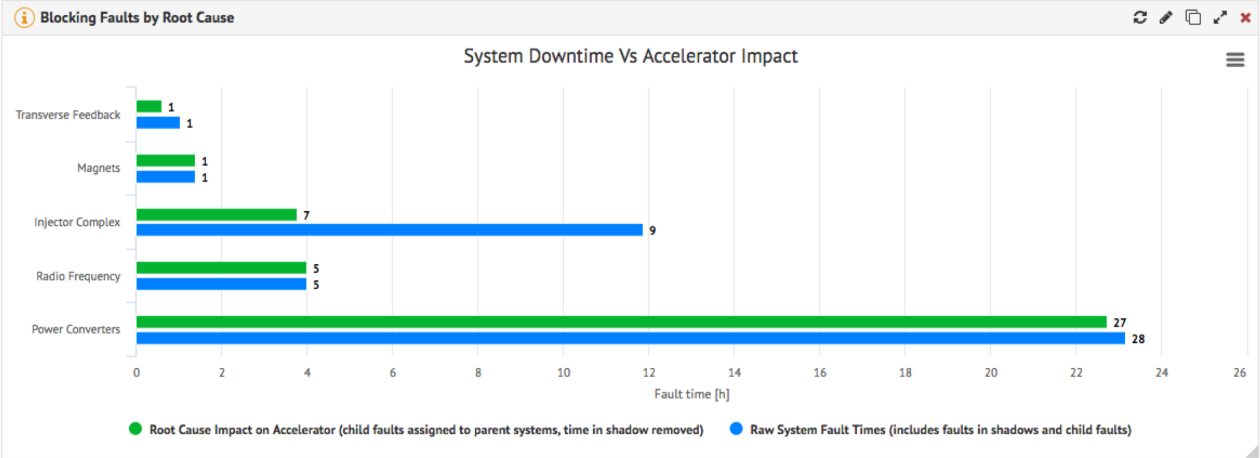
Brief PS status 20 – 27 Sept 2018

Matthew on behalf of PS operations and supervisor team



PS Dashboard

- Availability**
80.8%
- Blocking Faults**
44
- Total Faults**
46
- Fault Duration (overlap excluded)**
40.7h



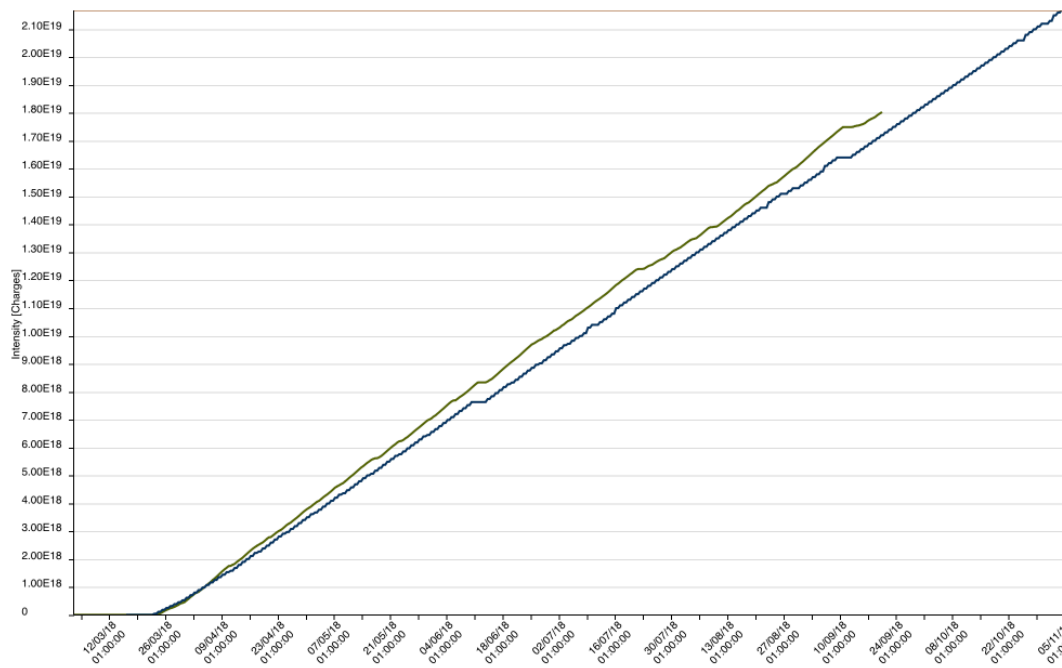
Main faults this week...

- **Linac2 RF amplifier issues** on Thursday (7 hours downtime) followed by multiple trips of **PS Pole Face Winding** circuits on Thursday evening due to regulation issues:
 - Reason unknown, investigations on-going, ramp rate on LHC beam reduced, quick fix
- Intermittent unstable beam Ring 3 impacting SFTPRO/EAST: **PSB C04 cavity issue**
- Friday, cooling **lost POPS module 4**: switched to degraded mode (45 mins downtime)
- Saturday, **C81 amplifier failed**, C11 put in spare but access needed (1h 10 downtime)
- Saturday afternoon, **PSB transfer line BTV half-in** beam (2h 30 downtime)
- Yesterday, **lost power supply PS LLRF multiplexer unit** (front-end producing timings for synchronisation with PSB) (2h 30 downtime)

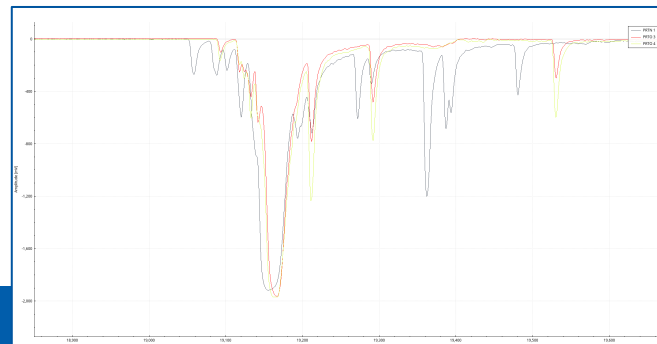
Access needed on Friday morning

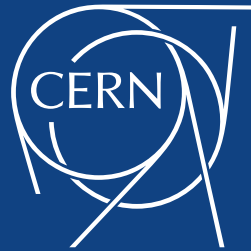
- **Beam stop tomorrow at ~8.30 am for PS C81 amplifier exchange... and other things:**
 - Expect an intervention of ~2 hours...
 - However, an inspection will be made on a water leak in the PSB (inside a main dipole magnet, it's cover needs removing for detailed checks): a fix might be needed and there is potential for a longer access.

nTOF Protons on Target - Status



- This is 83% of the total intensity forecasted and 5% more than scheduled today
- Pre-pulses at 10 ns reported
- Single pulse observed on dBLM (losses) at extraction septum
- It is 100 ns in front of main, nothing obvious on ring pick-ups...
- To be followed-up today!





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