



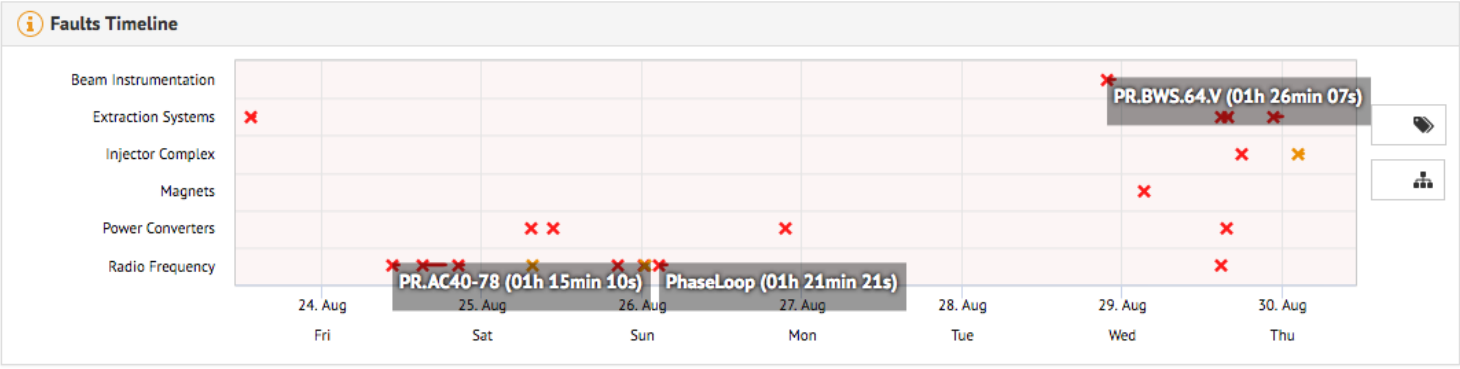
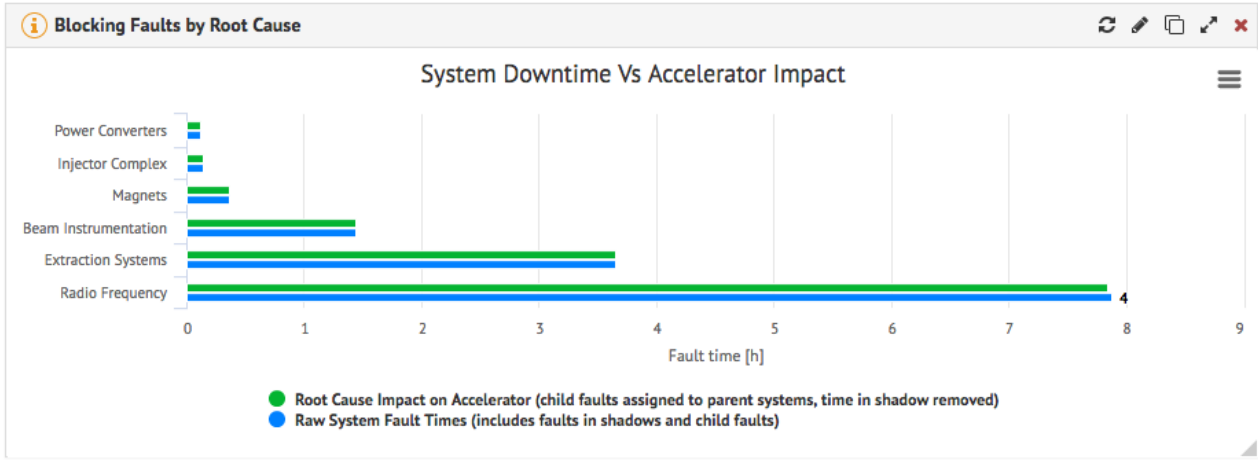
# Brief PS status 23 – 30 Aug 2018

Matthew on behalf of PS operations and supervisor team



# PS Dashboard

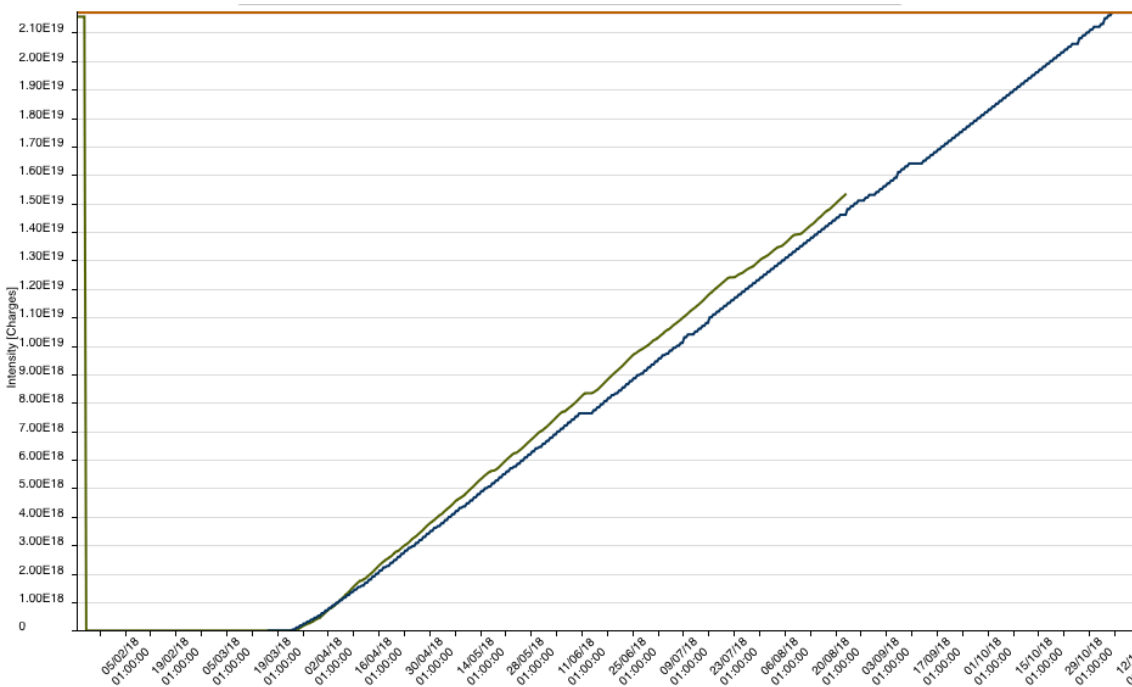
- i Availability  
**92.0%**
- i Blocking Faults  
**18**
- i Total Faults  
**21**
- i Fault Duration (overlap excluded)  
**15.1h**



# Main issues this week...

- **Faults:**
  - **Access Friday morning to investigate C40 cavity problem and amplifier repair (4h 30 downtime)**
  - **Overnight Saturday to Sunday a likely bad contact caused sudden jump of phase loop offset on H8H16 beam control:**
    - **Offset needed correcting but now back to initial values, not fully understood (1h20 downtime)**
  - **Access Tuesday night to remove vertical WS's (64V and 85V) stuck in the vacuum chamber (1h 30 downtime)**
  - **Last night issues on KFA4 and 21 (1h 30 downtime) and degraded PSB R1 intensity for 1h 10**
- **EAST beams delivered to IRRAD over wide intensity range**
  - **Intensities even down to  $3E9$  ppp...**
  - **TT10 on EAST North requiring spacing of about 4 seconds between spills**
  - **Perturbation yesterday caused by MD causing losses on SEH23**

# nTOF Protons on Target - Status



- Up to this morning 29/8 we delivered  $1.53 \times 10^{19}$  POT
- This is 71% of the total intensity forecasted and 5% more than scheduled today
- As agreed in the FOM we distribute cycles according to physics coordinators advice for special demands



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