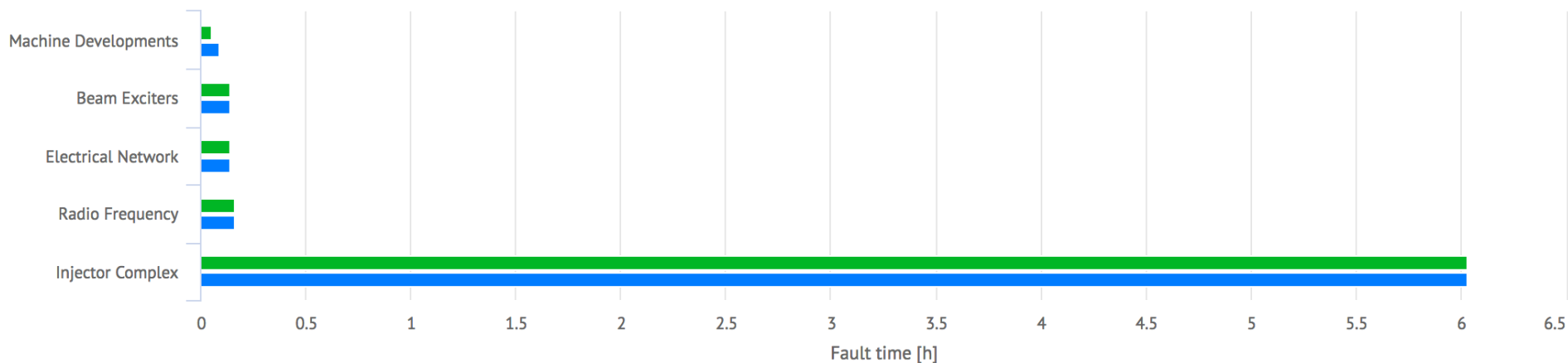


SPS Status – week 36 so far

- Availability for the last 5 days: 95.7 %
 - Main faults from the injector complex
- Occasional trip of transverse damper still to be understood
 - At the end of the ramp for fixed target beams in the horizontal plane
 - At the start of the ramp: related to tune kicker (MKQH) pulsing in the wrong cycle
- AWAKE run

Blocking Faults by Root Cause

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)

Miscellaneous

- Need ~ 2 h to debug issue with tune kicker MKQH
 - No fixed target beam during that time
 - No time scheduled yet – need to discuss
- Plan to switch to COSE (constant optics slow extraction) after technical step
 - Loss reduction in extraction region expected
 - Automatic measurement of momentum distribution
 - Will automatically know beam momentum for given time slice and can adjust TT20 momentum accordingly