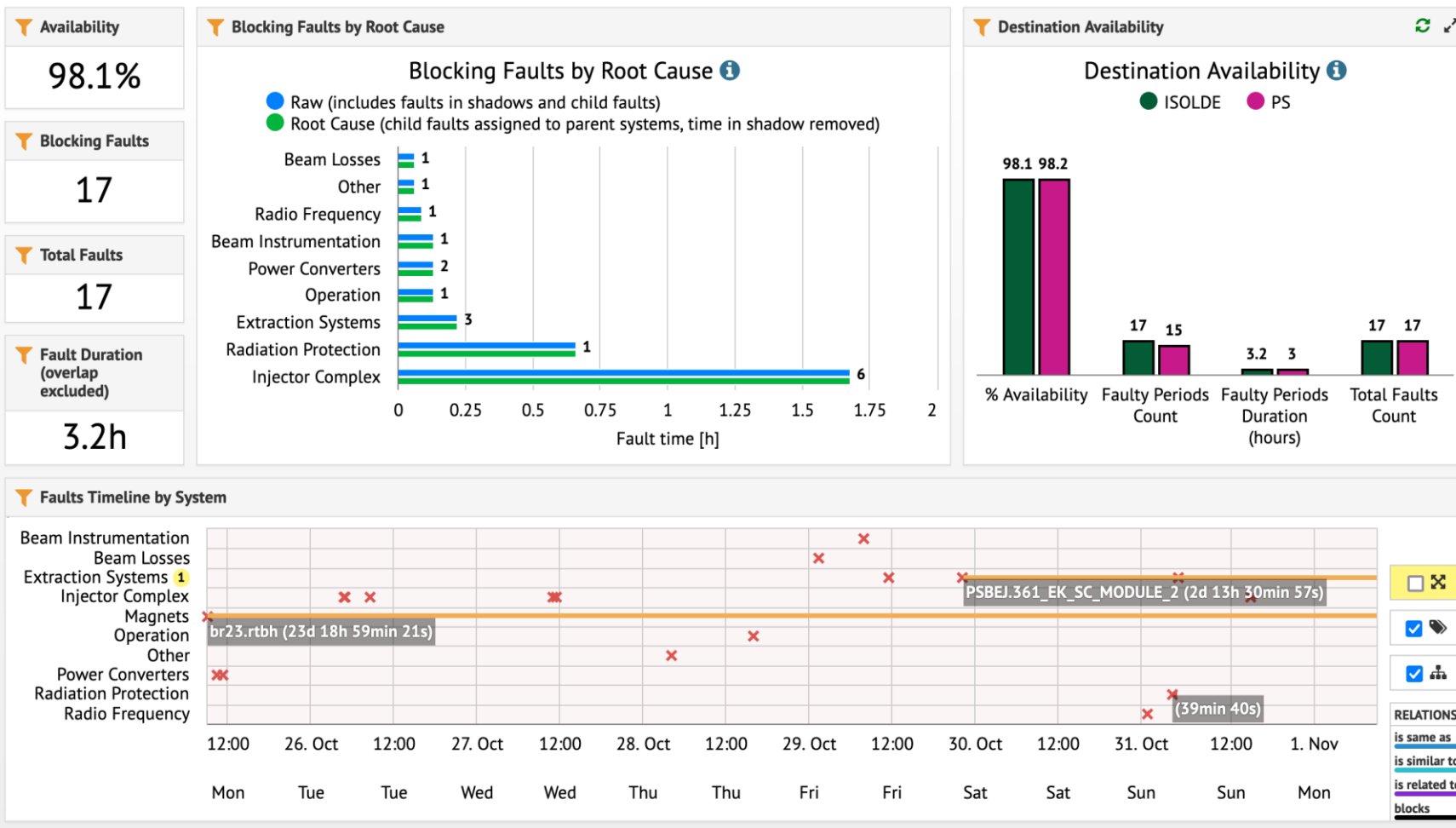


PSB FOM Report

C. Bracco

for the PSB operations and
beam commissioning team

Availability



Highlights

- Problems with extraction kicker of ring 2 during weekend.
 - Several erratics and UnderVolts interlocks + radiation alarms due to mis-extraction to the PS
 - Piquet on site on Sunday morning but not possible to re-establish stable conditions → Degraded operation (3/4 rings)
 - TOF with no beam for 5 hours (some synchronisation adjustment needed between PSB and PS when moving from Ring2 to Ring3)
 - Replacement of thyatron and repair of multicontact done on Monday morning
- Erratics of ring BLM FEC which triggered the PSB4 BIC
 - Software watchdog on all FEC sending an interlock if the system offline for 6 sec.
 - Root cause of problem not understood, BLM experts monitoring.
 - Replacement of CPU during YETS (interlock can be cleared out)
- HiRadMat beam:
 - Prepared, optimised and characterised also in the PS and SPS.
 - The target emittance of 2.1-2.3 μm in both planes achieved
 - 01/11 scrubbing, 02/11 BBA in the morning then high intensity (PSB interlock active)
- Water leak between PSB lift and entrance of RF cage not yet repaired (“unexpected” concrete slab), new solution being investigated