

ISOLDE Report

FOM 2018/06/19

HRS:

- Several Scandium isotopes to the COLLAPS experimental station (until Tue morning)
- Target installed for MD on the cooler/buncher over the next couple of weeks
- MEDICIS target irradiated over Wed-Thu night

Main issues (100% availability):

- Smooth run. No major problems other than postponed MEDICIS target irradiation due to issues at the PSB

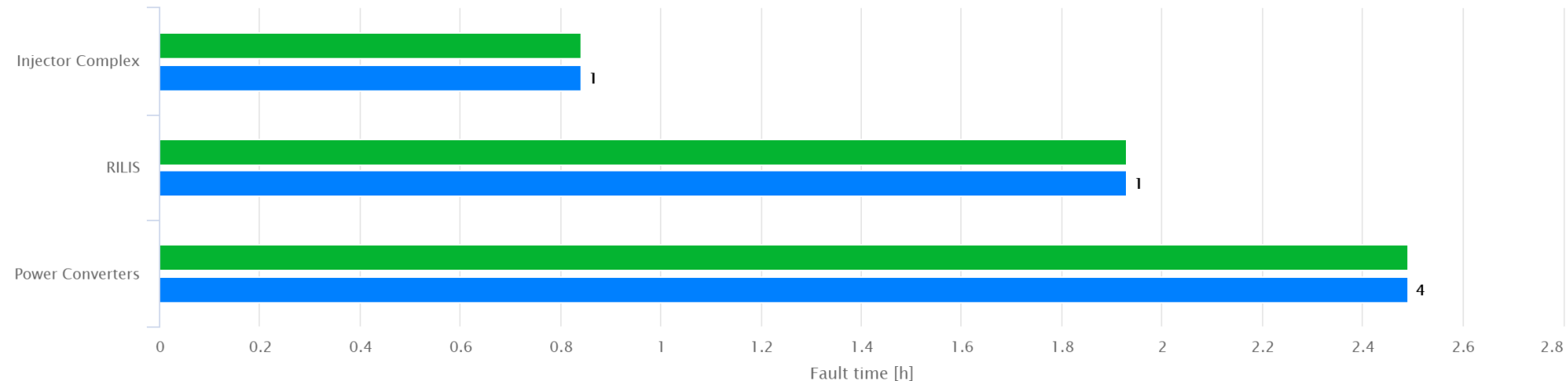
GPS:

- Separator and transfer lines set-up, target yields and optimization (Tue-Thu)
- Magnesium (^{22}Mg) to LA1 (Thu-Mon)

Main issues (97% availability):

- Trips of electrostatic power converters (0.6 hrs)
- Problem with separator power converter (2 hrs)
- One of the RILIS lasers down (2 hrs)

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)

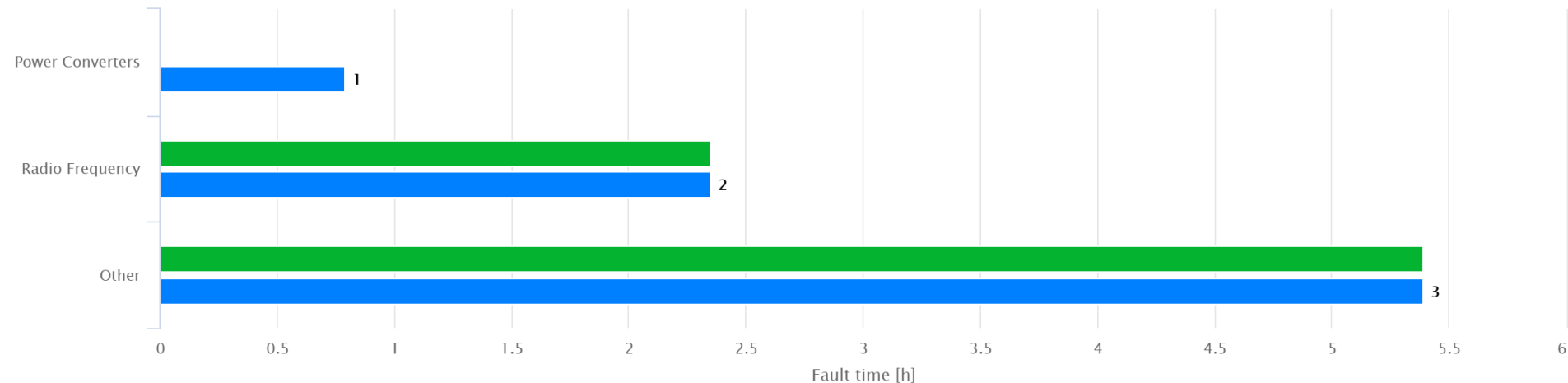
REX/HIE-ISOLDE:

- Beam commissioning (Mon-Thu)
- $^{22}\text{Ne}^{7+}$ beam at 9.5 MeV/u to the ISS experimental station (Wed-Mon)
All 19 cavities working at the highest gradients reachable this year

Main issues (96% availability):

- Trips of SRF cavities (2.3 hrs)
- Cryogenics interlock on SRF in CM1. Reason not yet understood (1.5 hrs)
- Fast valve closing probably due high pressure in the experimental station (3.8 hrs)

System Downtime Vs Accelerator Impact



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