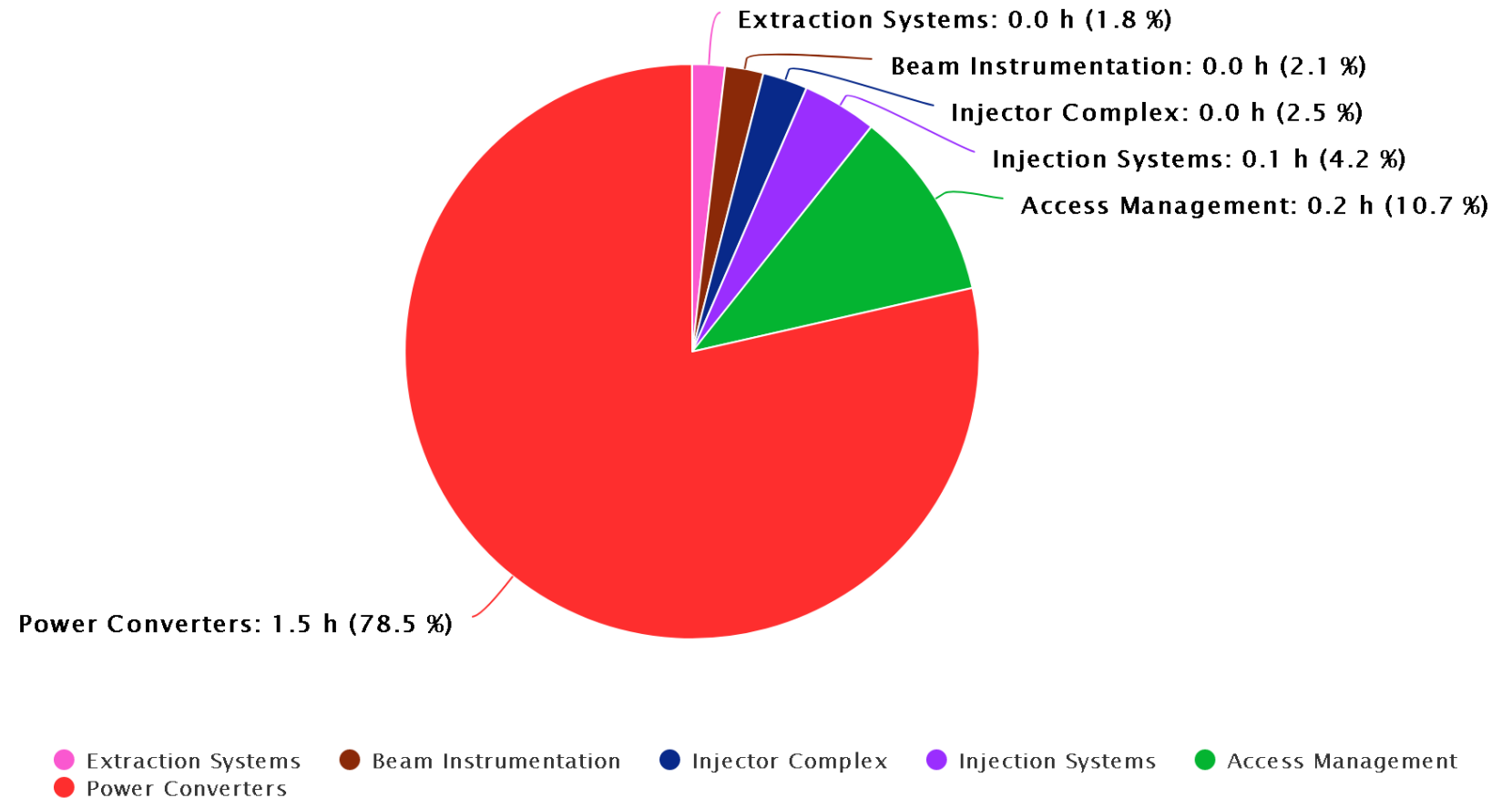


PS 1st-8th Aug 2017

~ 99% availability

- POPS trip 10min to recover
- Sunday: WFW power converter exchanged with the spare (1h15m beams down). Monday the PC was back (15min)
- Saturday: PIHLRF informed C11 in fault. Intervention on C11 (water cooling problem that needs access)

Root Cause Fault Time Distribution



PS 1st-8th Aug 2017

- Operational beams OK. In particular:
 - MTE: $E_{v \sim 4} - 4.2 \mu\text{m}$ for $I \sim 1550-1600 \text{e}10\text{p}$ (measured every shift)
 - BCMS with 10% reduction emittance sent to LHC: $E(h/v) \sim 1.5/1.5 \text{ mmmrad}$ for $I=640 \text{e}10\text{p}$
 - Kicker adjusted around the beam, and dump set for the satellites
 - Ions sent to SPS for set-up
 - LHCINDIV produced using the MHS tested with SPS
- New B-train tested on all operational beams (including production MTE). Only BCMS was not a transparent switch. Investigation next week.
- Operational beams are being prepared to use the new MHS