



Linac4

Week 43

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Operation



- There were only a couple of short RF and watchdog trips during the week.
- On Sunday morning RAMSES became unavailable with a Rad Mon communication error, losing all monitoring of the CPS machines. The shift leader cut all beams waiting for the piquet RP to intervene (40' downtime).
- Later on Sunday PIMS5-6 went in fault (overcurrent). Sequencer chain could not restart the modulator and the EPC Piquet was called to exchange an IGBT driver card (45' downtime).

During the week, SY-BI conducted systematic tests on the Linac4 SEMgrids (masked for the recurrence of SIS interlocks on not_connected statuses). After the change in FESA (BI) and in the SIS logic (OP) all errors are now handled correctly and no further occurrence of spurious interlocks was observed. All SEMgrids were put back in operation, except for those in the LBE line. For these it will be necessary to interrupt the wire-scanners → it is preferable do this during a beam stop, unless urgent).

Availability

98.8%

Blocking Faults

6

Total Faults

6

Fault Duration (overlap excluded)

2.0h

