

# LINAC4 Report

FOM - December 12, 2017

## Week 49

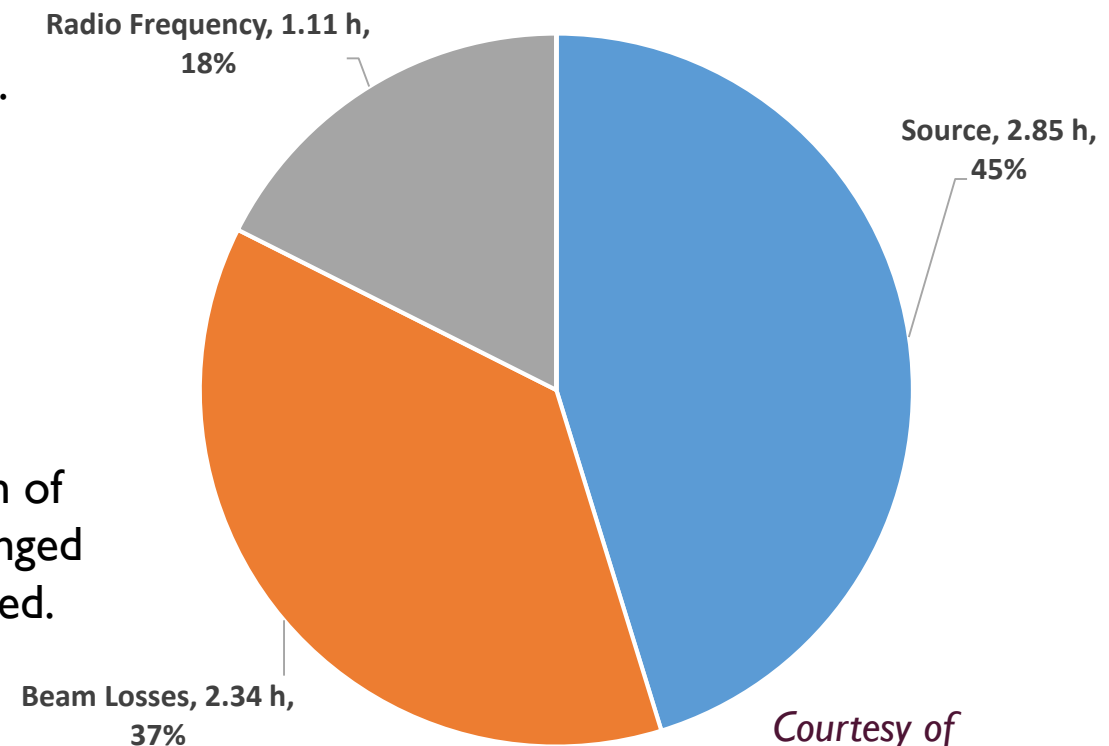
Availability	Total Fault count
95.4%	26

- It was a good week with periods of long stable running and a few faults of the Source/RF and chopper, as well as extensive MD time.
- Source cesiation w/ Autopilot successfully performed.
- An issue in the chopper maximum ON time identified and solved, avoiding a fault from excessive driving term on one of the plates.
- Continuation of systematic stripping foil efficiency measurements during nights and weekend.
- High source current fluctuations observed since Sunday midday triggering the WD perpetually. Root cause: automatized optimization of the gas injection system developed for piezo valve that was exchanged for a solenoid valve – currently on manual, dedicated studies needed.

## MDs

- Source/Autopilot
- Time of Flight measurement
- Laser Emittance Meter and Bunch Shape Monitor

Root Cause Fault time by system



*Courtesy of  
O. Orozco*