

LHC summary

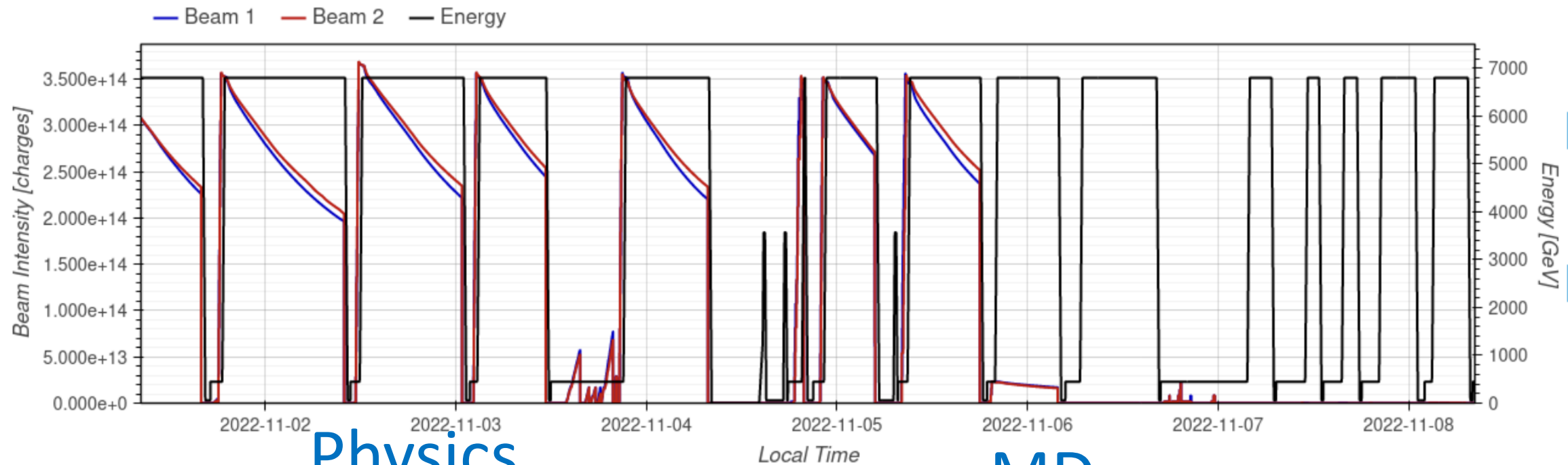
01.11 – 08.11 2022

E. Bravin

FOM 8.11.22

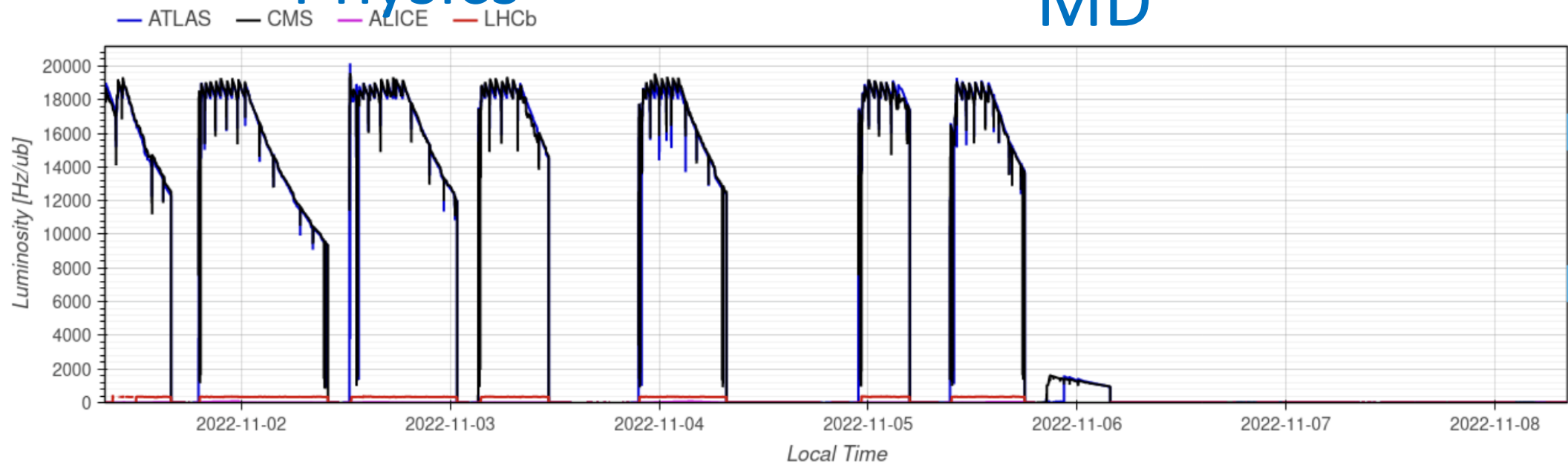
Summary

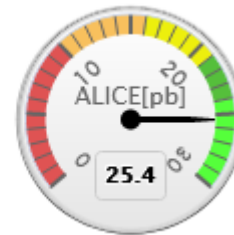
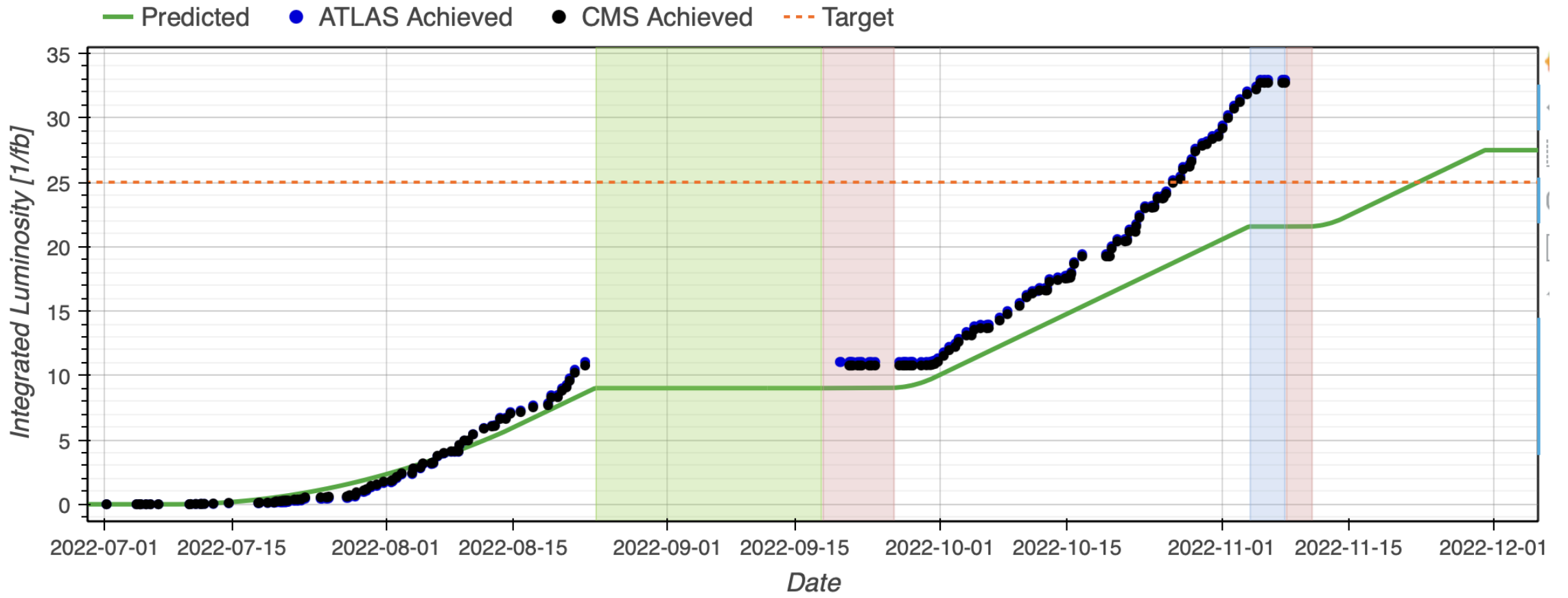
- Pretty good week, with high availability ~85%
 - Beam dump on Tuesday due to access maintenance mistake
 - Scheduled access on Friday, followed by MKD fault access
 - Another fault access on Saturday night (PIC + DFB heater)
 - RF issue on B2 yesterday that perturbed most of the day activities
 - Solved by changing a threshold setting, to be followed up
- Normal high intensity physics until Saturday then MD
 - Several MD suffered from injectors issues



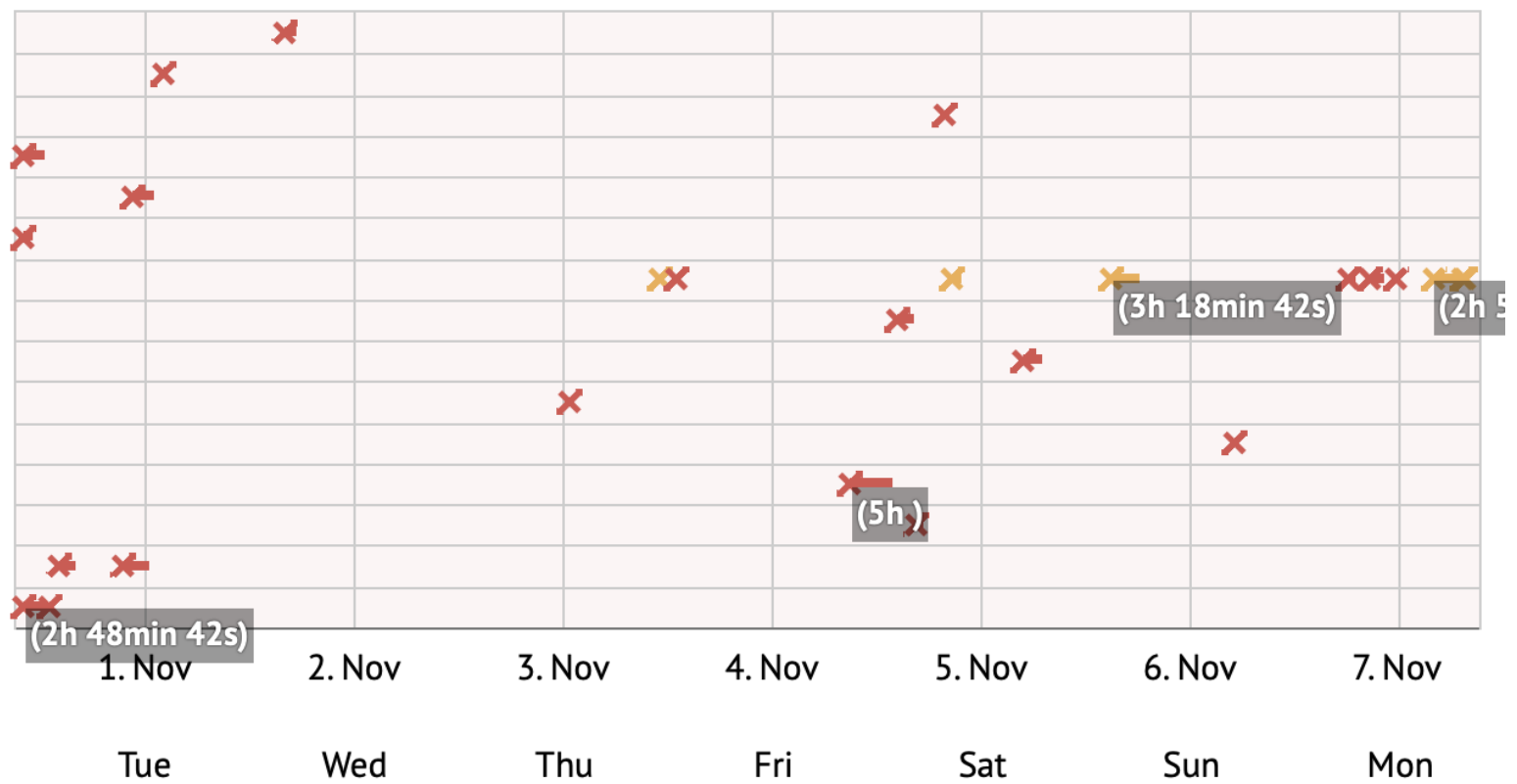
Physics

MD





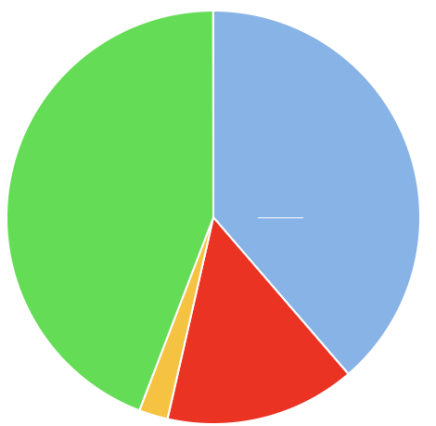
Access System
 Beam Instrumentation
 Beam Losses
 Cooling and Ventilation
 Cryogenics
 Electrical Network
 Injector Complex
 LBDS
 Machine Interlock Sy...
 Magnet circuits
 Operation
 Other
 Power Converters
 Radio Frequency
 Vacuum



Availability
85.1%

Stable beams
44.2%

Fault vs. Operation Time Distribution



Plan

- MD until tomorrow
- Van der Meer scans from tomorrow until Saturday
- Recover normal physics from Saturday onward