

NA64 run 2018



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Main goal → search dark photons in invisible and visible decay mode with electrons beam.

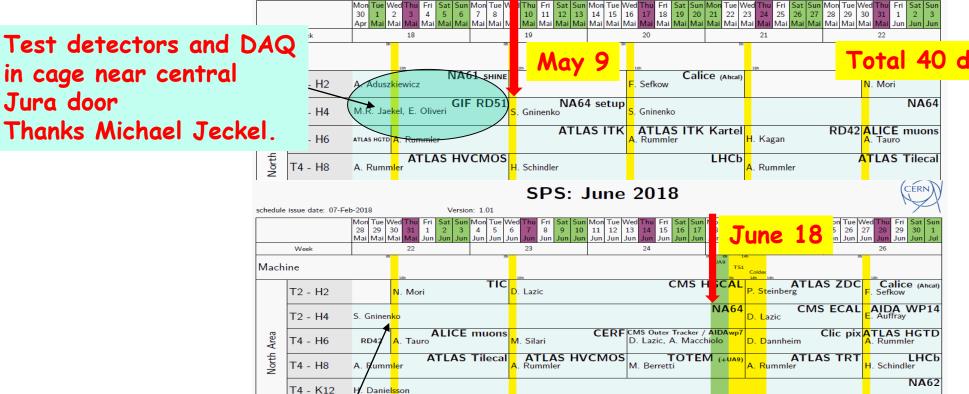


Beam schedule

Version: 1.01

SPS: Mai 2018





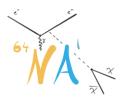
Goliaph beam dump will removed for visible mode.

T6 - M2

J. Barth

schedule issue date: 07-Feb-2018

NA58 COMPASS



Schedule



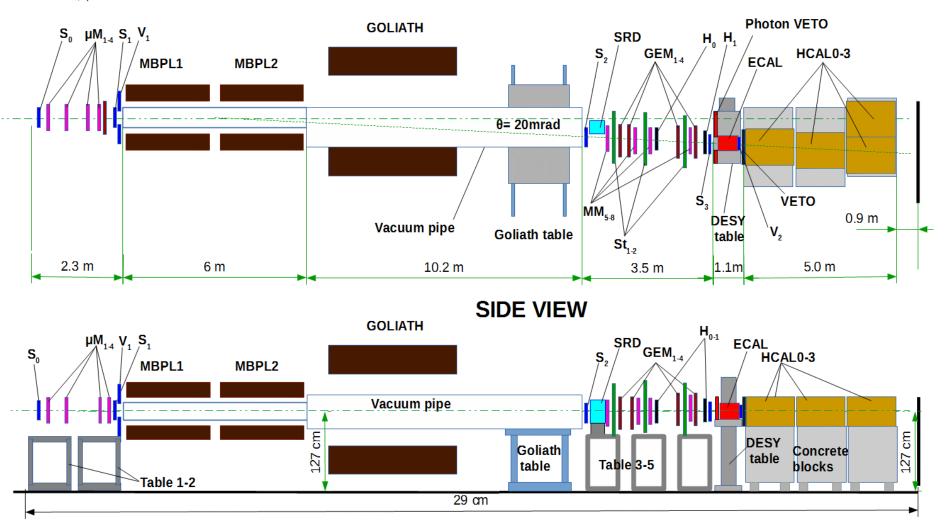
- > Installation, calibration, commissioning, 7 days
- > Invisible mode, electrons 100GeV, goal -> 2.0x1011 eot -> 14 days
- \rightarrow Visible mode, electrons <u>150GeV</u>, goal \rightarrow 1.0x10¹¹ eot \rightarrow 12 days
- > Charge-exchange measurements, hadrons 40GeV, goal -> 1010, 7 days



NA64 setup, invisible mode



TOP VIEW





Installation, commissioning, calibration



- ≥ 23.04-26.04 → installation of DAQ racks, PC's, cabling of detectors in cage near central door;
- \gt 26.4-08.05 \rightarrow test of detectors with LED, cosmic muons.
- > May 9 \rightarrow Installation in H4A zone.
 - Concrete blocks, 3 hadron modules along deflected beam; 1 hadron modules on Goliath table for calibration; Desy table, Ecal, tables for tracking detectors;
 - > All tracking detectors along "0" beam line;
 - > 2 racks for electronics, signal, HV and LV cables;
- May 10 15:30 SAFETY VISIT?
- \rightarrow May 10 May 15 \rightarrow detectors commissioning, beam tuning:
 - > Calibration 4 hadron modules with hadron beam on Goliath table;
 - > Calibration Ecal, energy scan, uniformity scan; Large veto uniformity scan, calibration;
 - > Calibration tracking detectors, pedestals, latency, efficiency;
- \rightarrow May 16 \rightarrow installation vacuum pipe, alignment detectors along deflected beam;
- \rightarrow May 17 \rightarrow Data taking;