











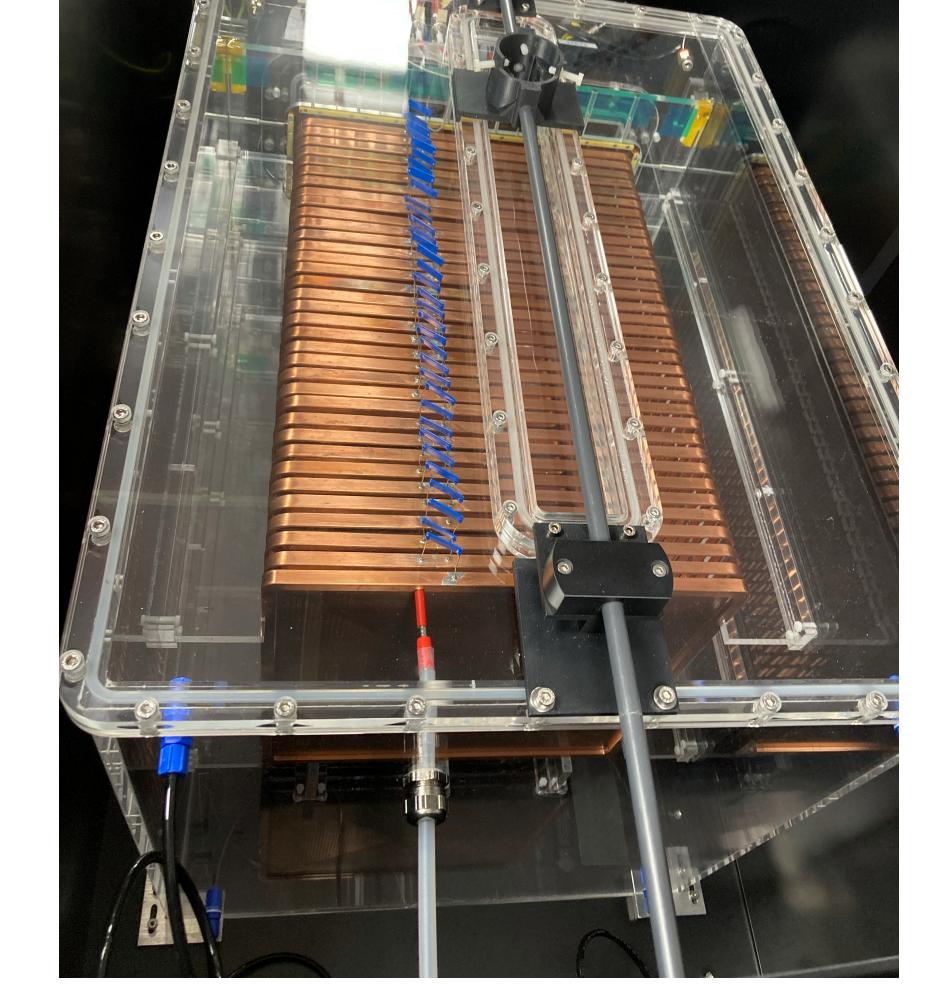






RUN4 status & summary

Stefano Piacentini



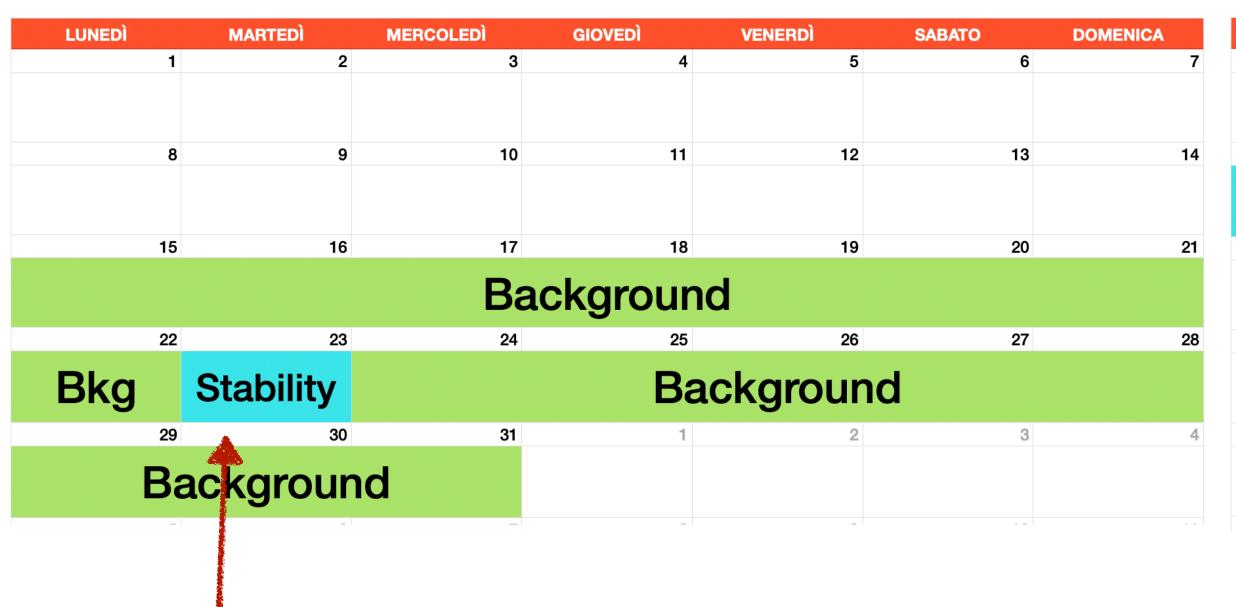
General Meeting

08/02/2024

RUN 4 - Summary

Gennaio

2024



Febbraio

2024



Technical operation on the gas line:

No appreciable variation on the LY observed, data taking restored after 1 day

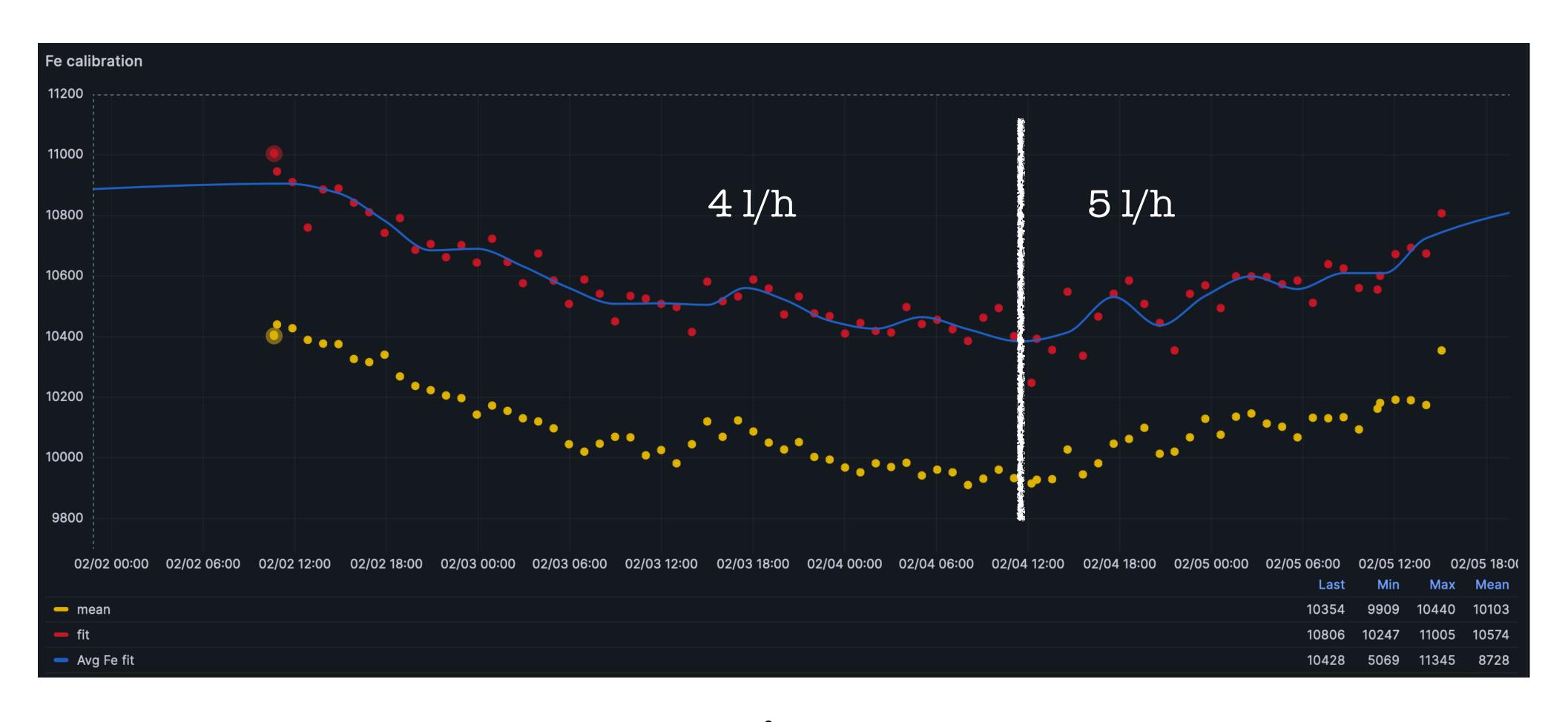
Recovery bottle full:

Background data taking stopped. Testing gas deterioration @ 0 l/h of both fresh and recirculation

2 Recovery bottle substituted today.

RUN 4 - Summary [Operation @ 41/h]

- Operation @ 4 l/h tested for 48 h.
- LY recovered by operating @ 5 l/h for 24 h.



RUN4 end: LIME sensitivity

- New analysis on the LIME sensitivity will be performed in the next days
 - 1. "Fast" result by using **optimistic assumption** on the detector performance (angular resolution, NR threshold) \rightarrow a **quick result of the best** we can possibly do
 - 2. If LIME will end up having a reasonable sensibility \rightarrow more refined analysis with the **real performance** to:
 - A. Give us insights on the RUN4 lifetime
 - B. Preliminary sensitivity projections for the LIME underground campaign
 - 3. If the LIME sensibility will not be great \rightarrow decide if stopping before the 15th of March and, before moving to the underground neutron measurement, plan to collect data in RUN4 configuration @ low GEM voltage