

Report on weekly shift

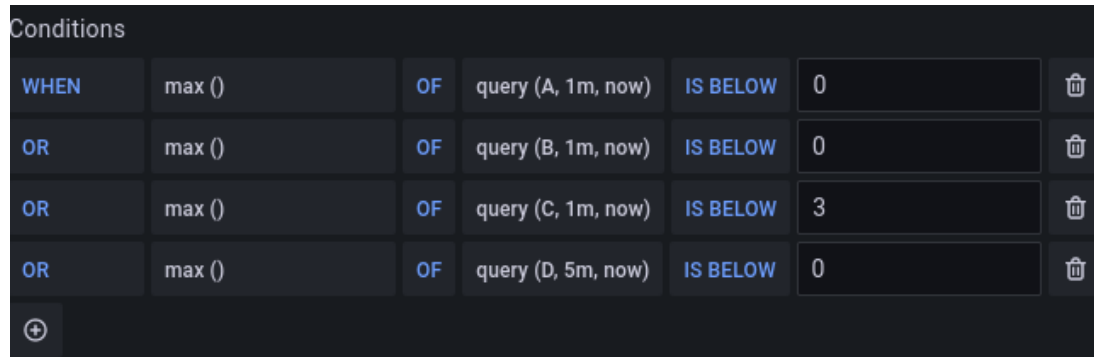
Luca Quaglia

Overview

- System status
- Weekly data taking
- Integrated charge status

System status

- Currently HV and gas are OFF
- HFO bottle finished during the stability scan on October 31st at ~22:50 but the gas kill script did not work (Gianluca explained the alarm was not active)



The image shows a screenshot of the 'Conditions' panel in Grafana. It displays a list of four alarm conditions, each with a 'WHEN' clause, a 'max ()' function, an 'OF' clause, a 'query' clause, an 'IS BELOW' clause, and a threshold value. Each condition also has a trash icon for deletion. A plus sign icon is visible at the bottom left of the panel.

WHEN	max ()	OF	query	IS BELOW	Threshold	
			query (A, 1m, now)		0	🗑️
OR			query (B, 1m, now)		0	🗑️
OR			query (C, 1m, now)		3	🗑️
OR			query (D, 5m, now)		0	🗑️

- Alarm panel on Grafana: query C is HFO and flow was set to 4 l/h so, in principle, it should have triggered
→ Is the alarm active?
- HFO bottles should be at GIF (if not they will arrive tomorrow)
→ Bottle will be changed Monday next week
- No source OFF scan yesterday (no gas)

Weekly data taking

- Stability scans:

1) ID 191: (http://webdcsecogas.cern.ch/index.php?mod=STABILITY_GIFPP&p=dqm&id=191)

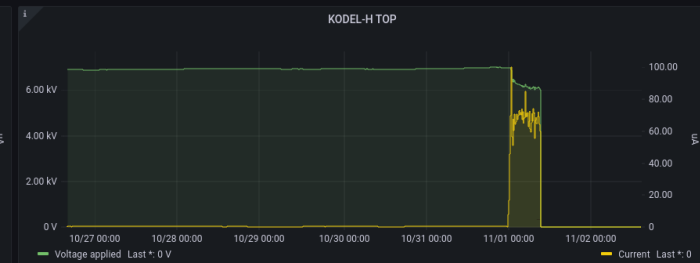
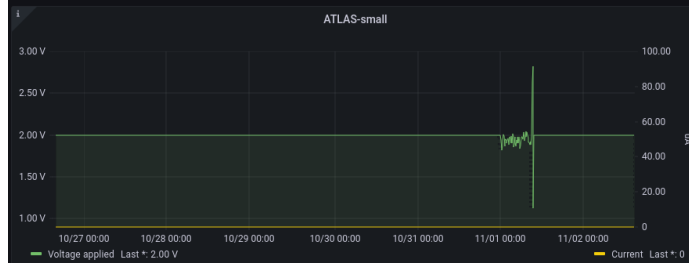
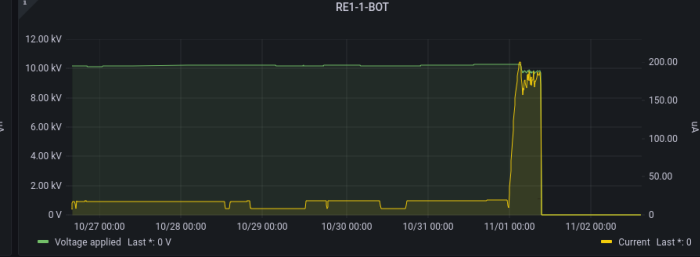
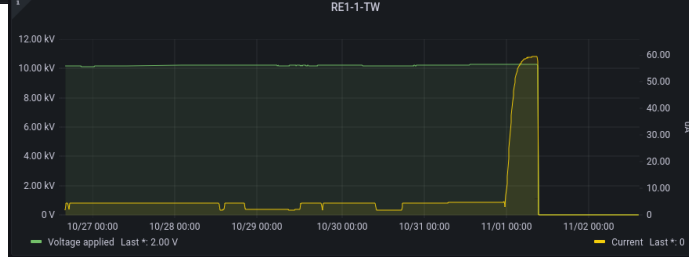
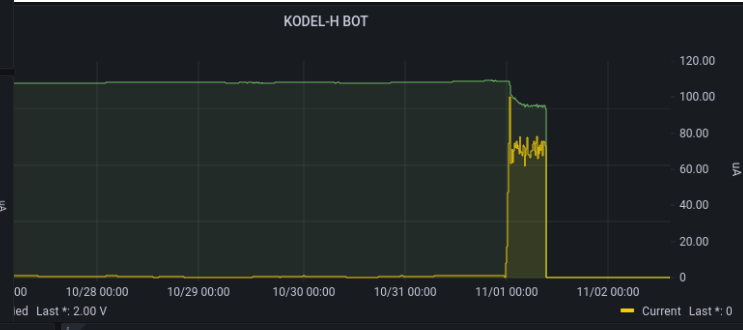
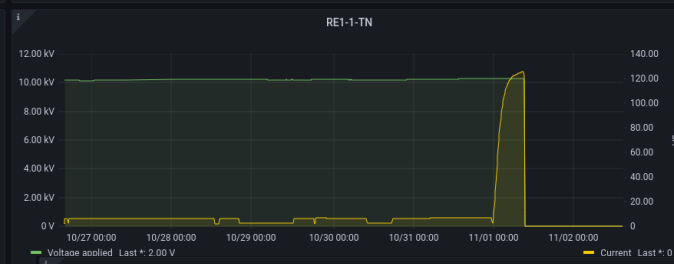
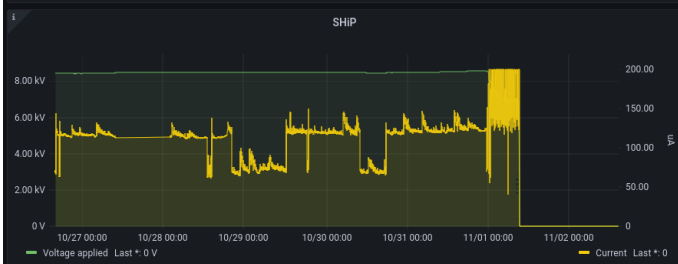
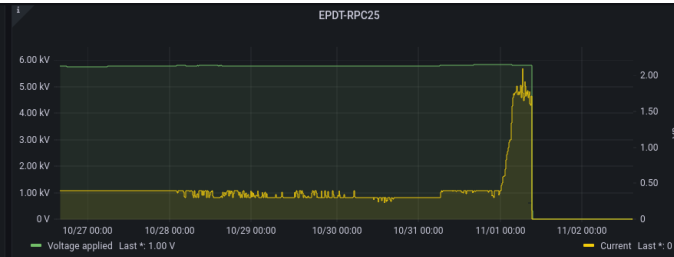
→ Inherited from last week

→ Stopped because HFO bottle was over

- Current scans:

None

Weekly data taking



Integrated charge statistics

Detector	Int charge week (mC/cm ²)	Int charge total (mC/cm ²)
SHiP	5.65	~150
RE11 TN	5.48	~160
RE11 TW	1.55	~60
RE11 BOT	1.84	~120
KODEL-H	//	//
EP-DT RPC25	//	//

Conclusions

- Understand why gas kill did not work
- Change bottle next week, perform source off scan and resume irradiation asap
- Understand if it is possible to log RH values
- GIF++ yearly user meeting on November 23rd (hybrid, in presence and Zoom). Agenda in the making here: <https://indico.cern.ch/e/GIF-AUM-2023>
- Next shifter can in principle wait until the bottle is replaced, system is idle at the moment