

Report on weekly shift (23rd - 29th Oct)

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General information

- For the moment the GIF++ plan for the winter shutdown is to stop all gases (except neutral gases, i.e. N₂, CO₂, Ar) by **Dec 3rd** (could still be delayed by one week at the most) and restart them on **Feb 3rd 2025** (2 months stop!)
 - During this time we are allowed to flush humidified N₂ using our mixer as we did in the summer (which also seems to have had a beneficial effect on some RPCs.....)
- Christmas closure (i.e. no access to the bunker) between Dec 21st and Jan 5th
 - Usually we open the chambers to air, do we want to do the same?
- GIF++ 8th annual user meeting at CERN on Dec 3rd
 - I will be at CERN for the DRD1 school so maybe I could give the presentation?

System status

- System currently flushing with ECO2 gas mixture
- 2 source off scans performed last Wednesday
- 1 stability run during the week
- HFO bottle at ~1.4 kL
- All was fine during the week. One major logger crash + Raspberry Pi for flow measurements disconnected from the network (thanks Stef for power cycling it yesterday afternoon)

Scans

- **Stability**

1) 229: http://webdcsecogas.cern.ch/index.php?mod=STABILITY_GIFPP&p=dqm&id=229 → Still ongoing

- **Source off**

1) 996: <http://webdcsecogas.cern.ch/index.php?mod=HVSCAN&p=dqm&id=996>

2) 997: <http://webdcsecogas.cern.ch/index.php?mod=HVSCAN&p=dqm&id=997>

Stability results - 1

EPDT-RPC 25 @ 10.6 kV

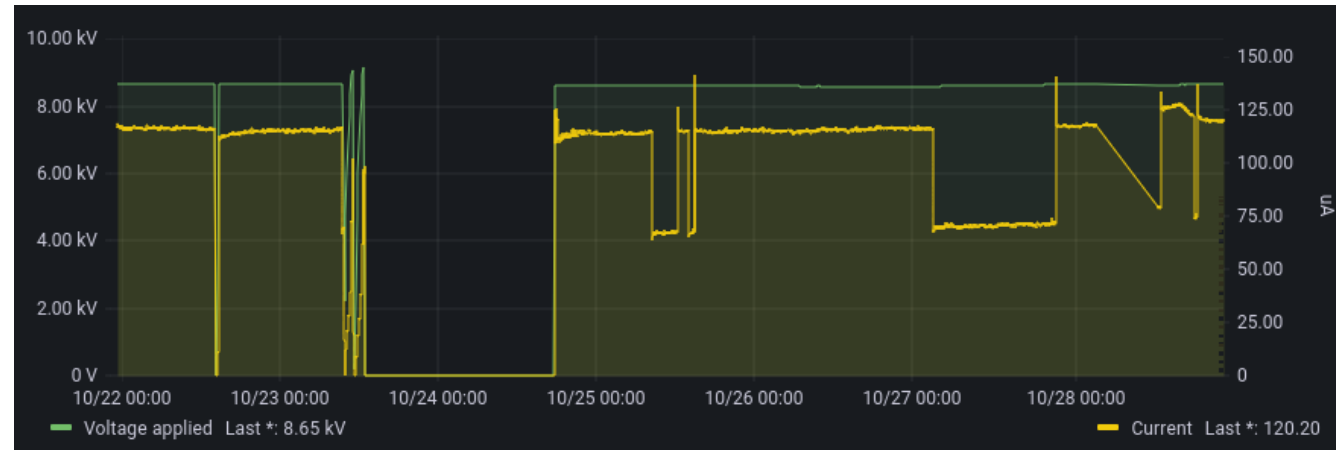


source off due to access system glitch

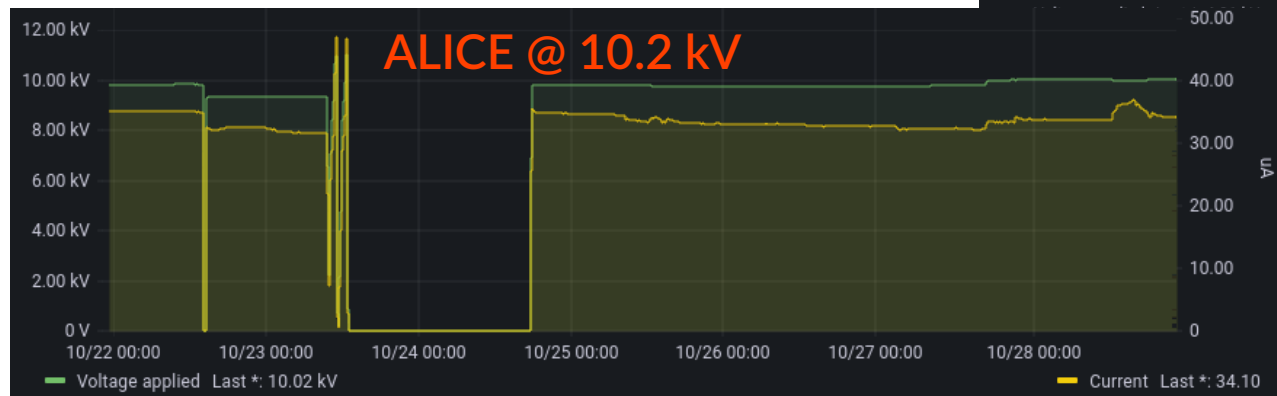
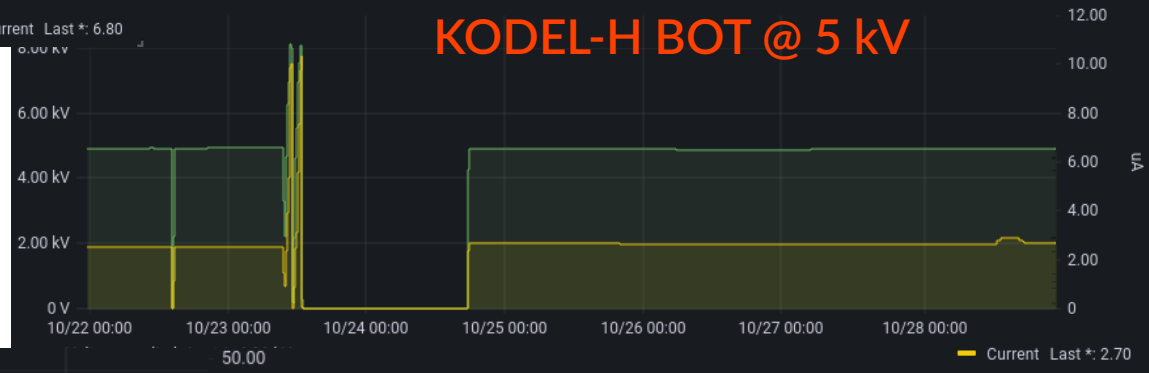
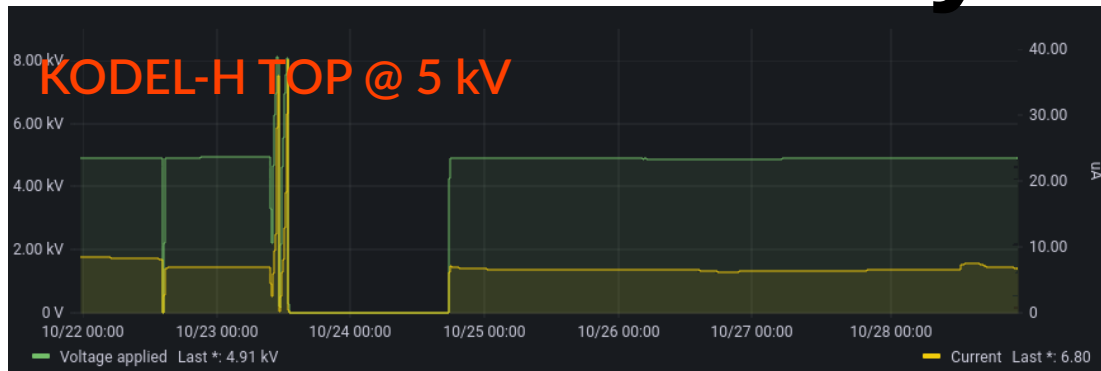
SHiP @ 8.8 kV

source off scans

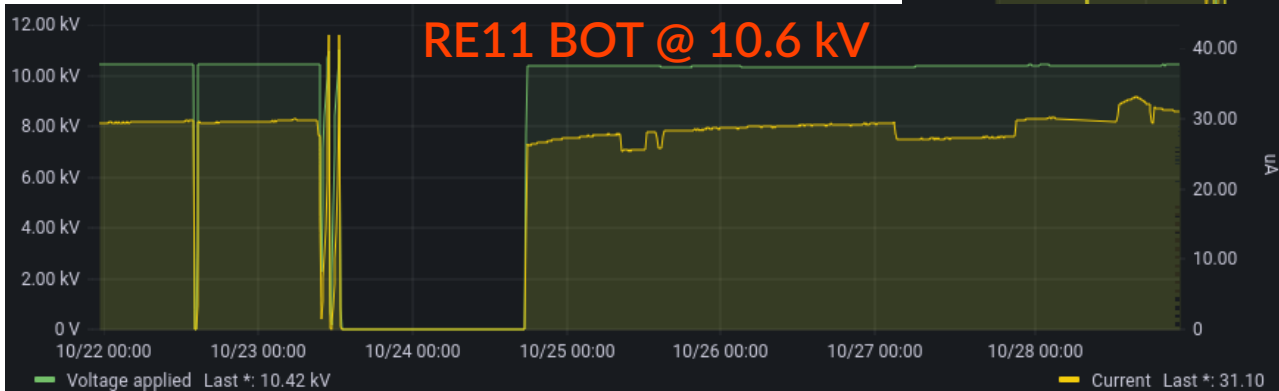
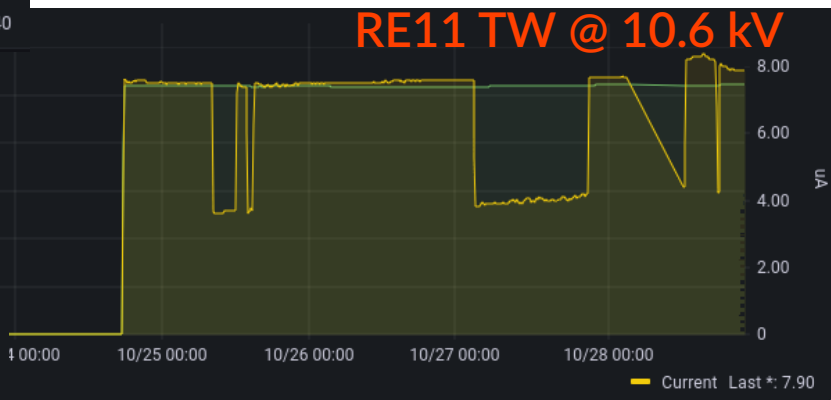
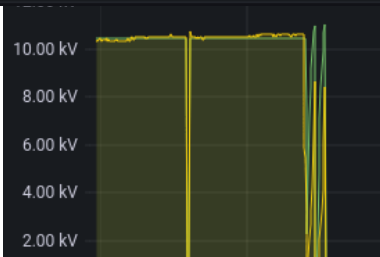
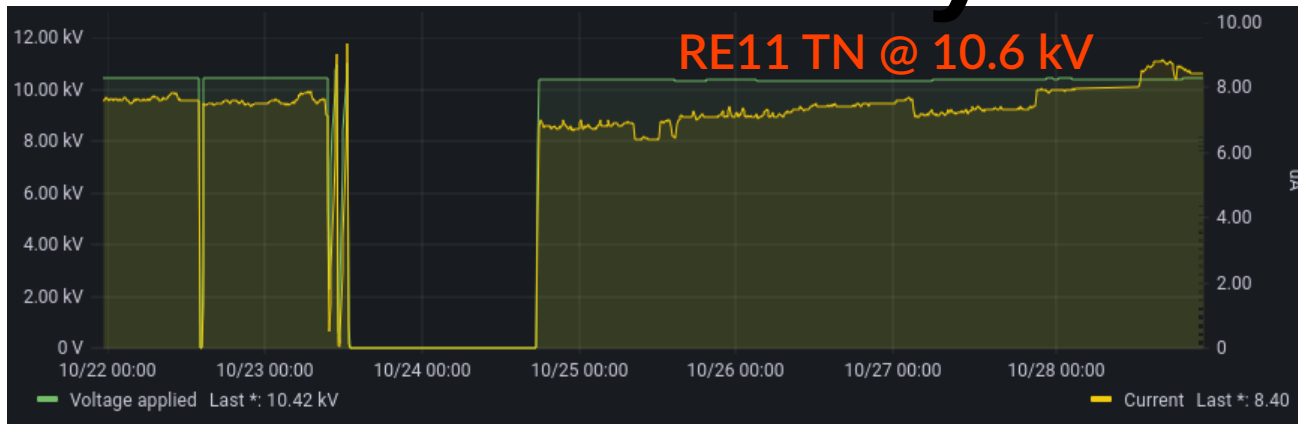
Aging with some source off in between



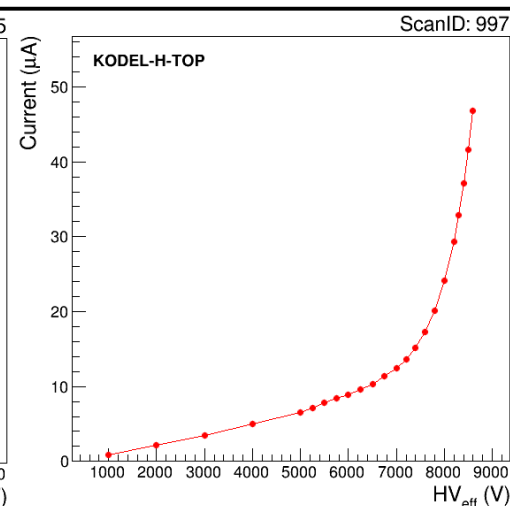
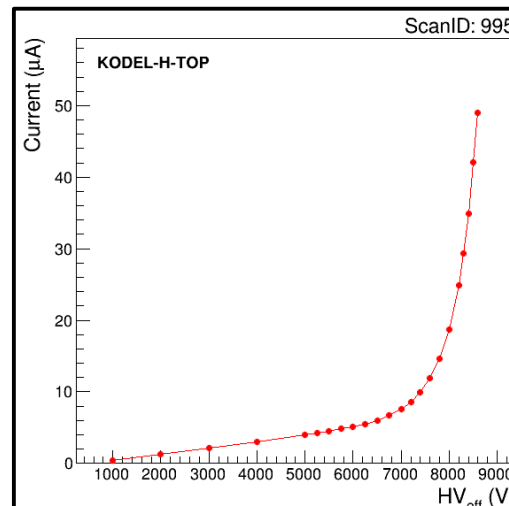
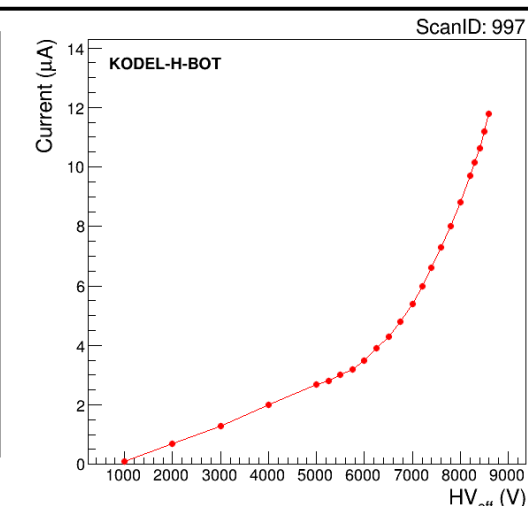
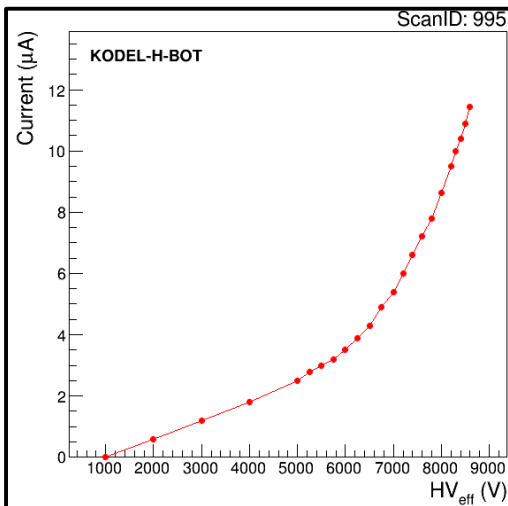
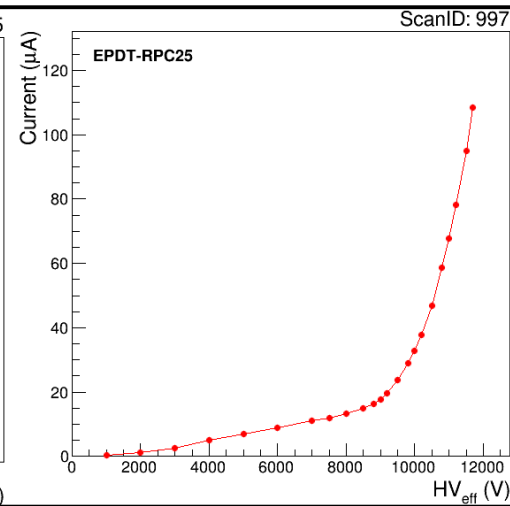
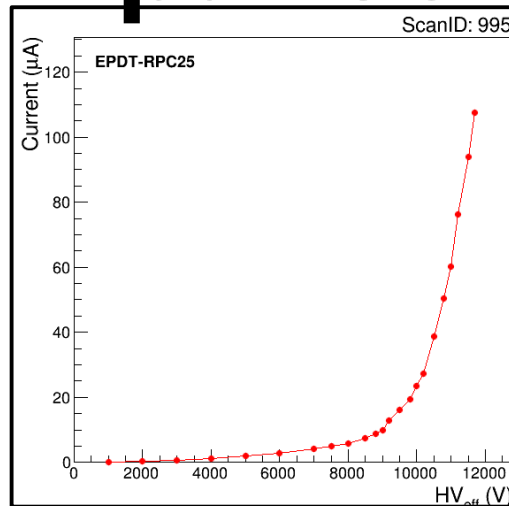
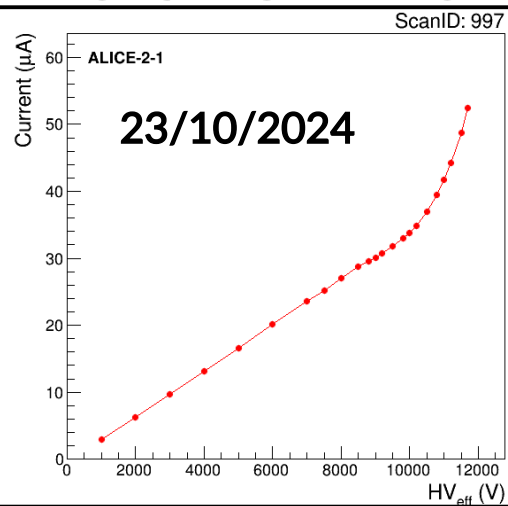
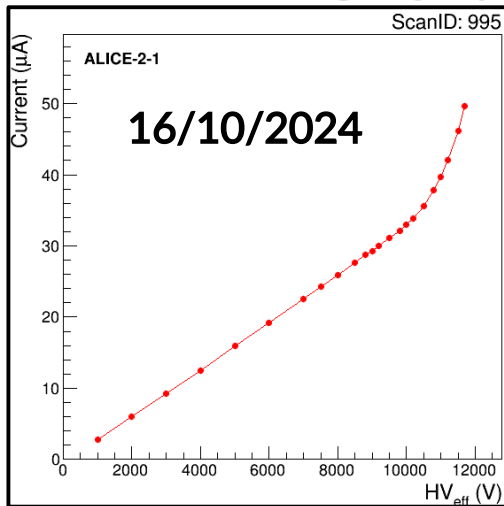
Stability results - 2



Stability results - 3



Source off comparison - 1



Source off comparison - 2

