

Ecogas shift - 27.05.25 - 03.05.25

Mattia Verzeroli, Stefania juks



EP-DT
Detector Technologies

Summary

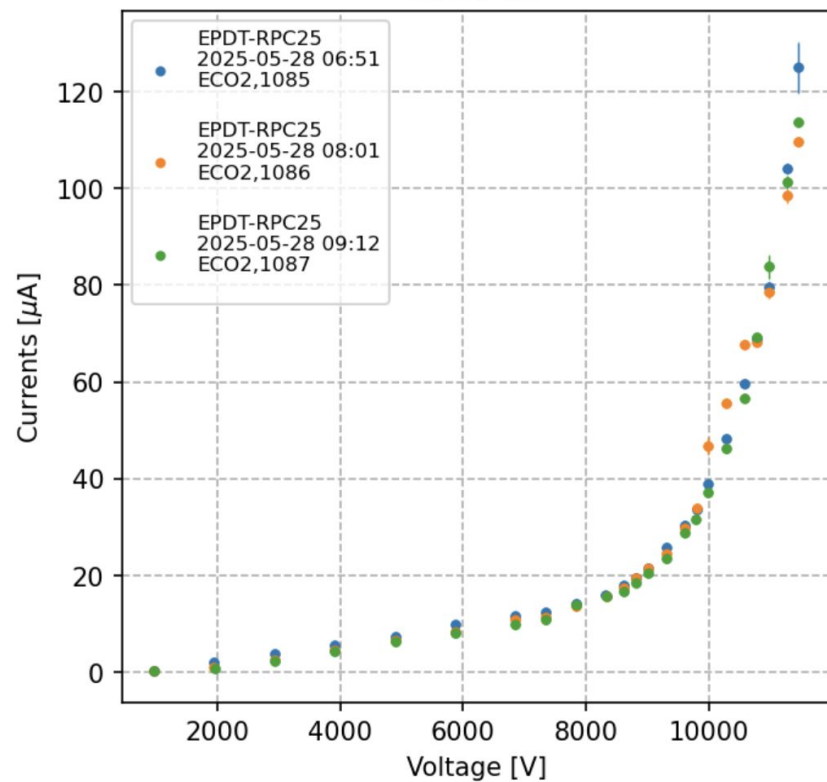
- Weekly scan performed (x3) on Wednesday 28.05.25



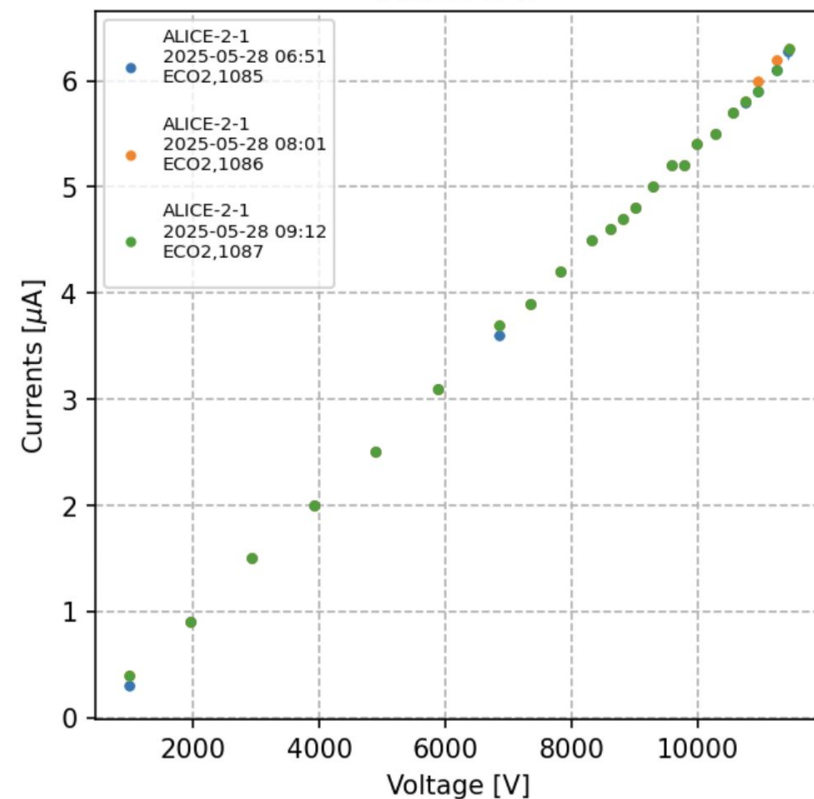
Wednesday scan

Wednesday scan

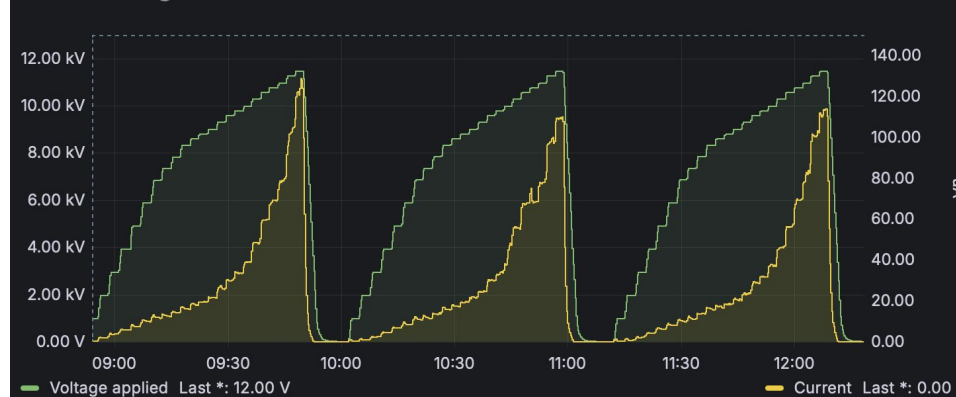
EPDT-25



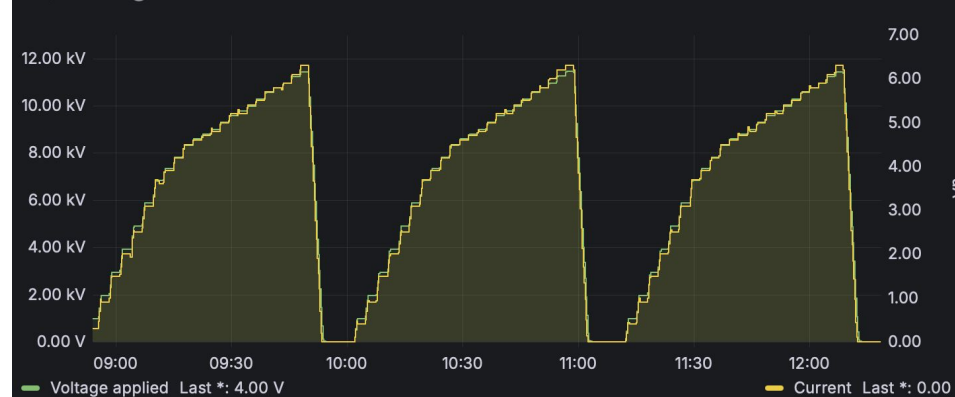
ALICE-2-1



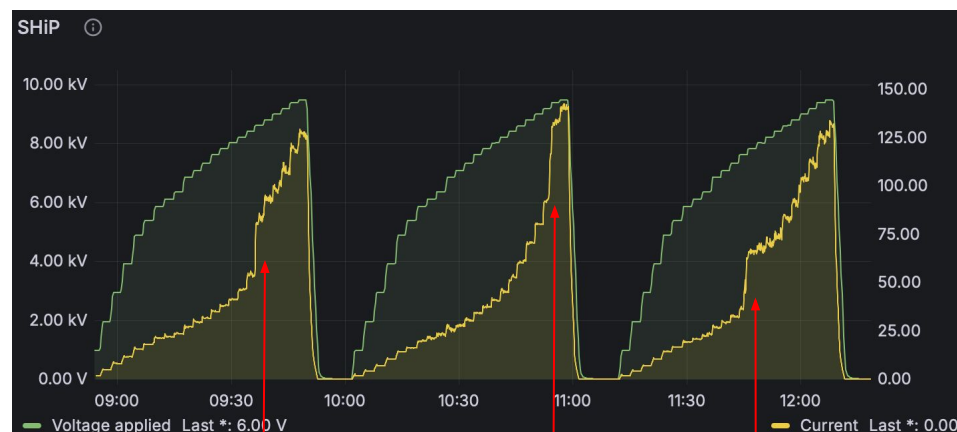
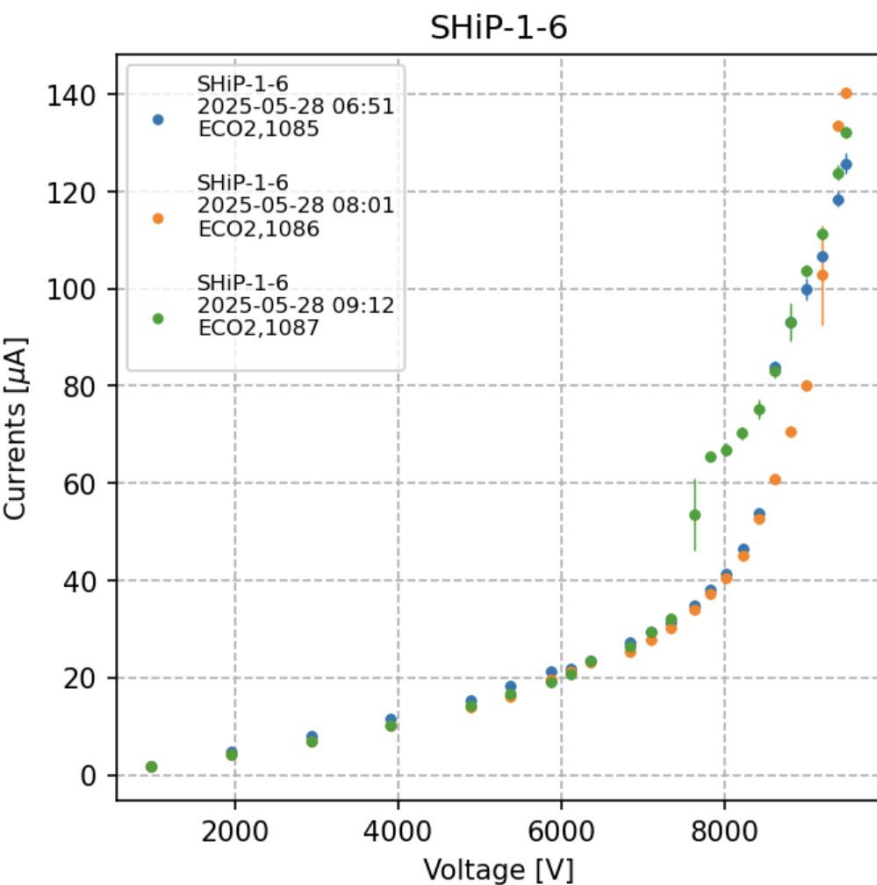
EPDT-RPC25 ⓘ



ALICE-2-1 ⓘ



Wednesday scan



8.6 kV

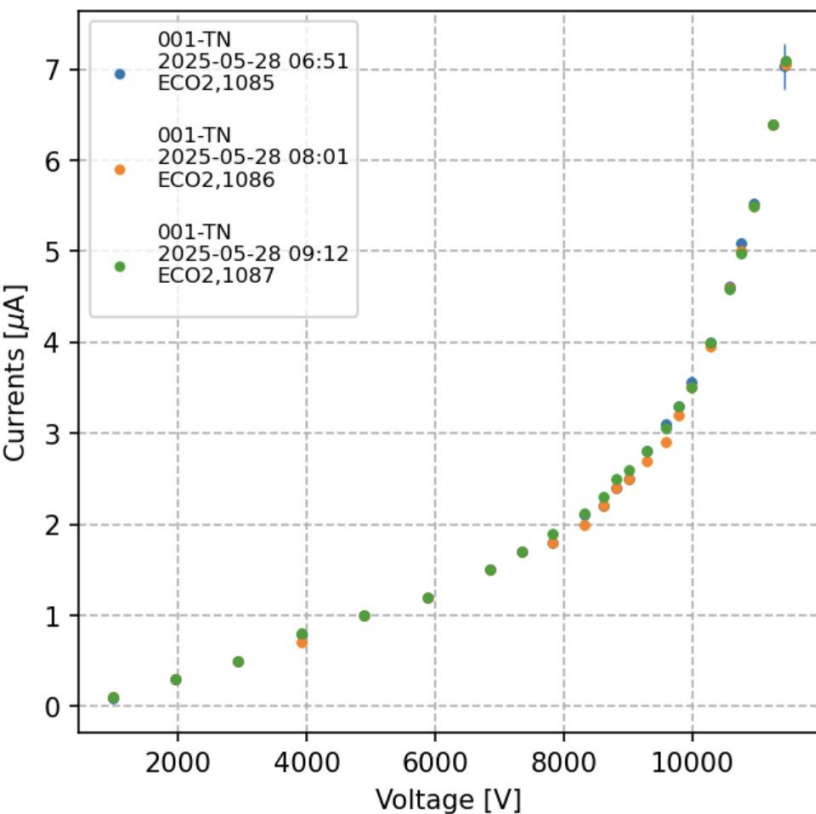
9.2 kV

7.6 kV

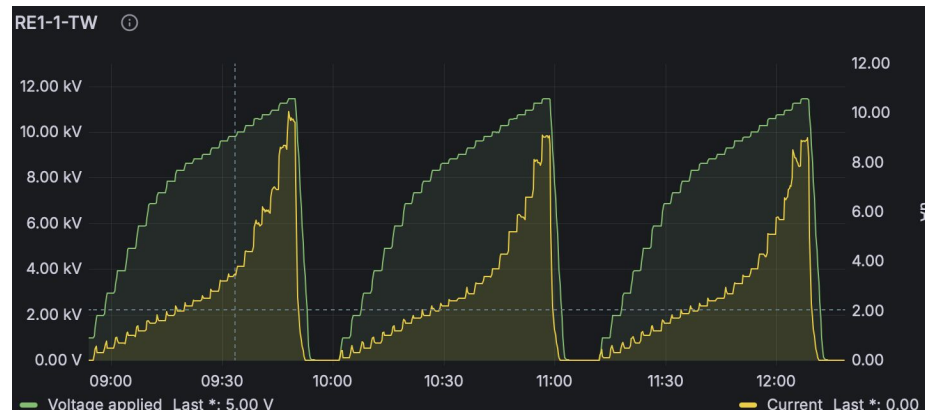
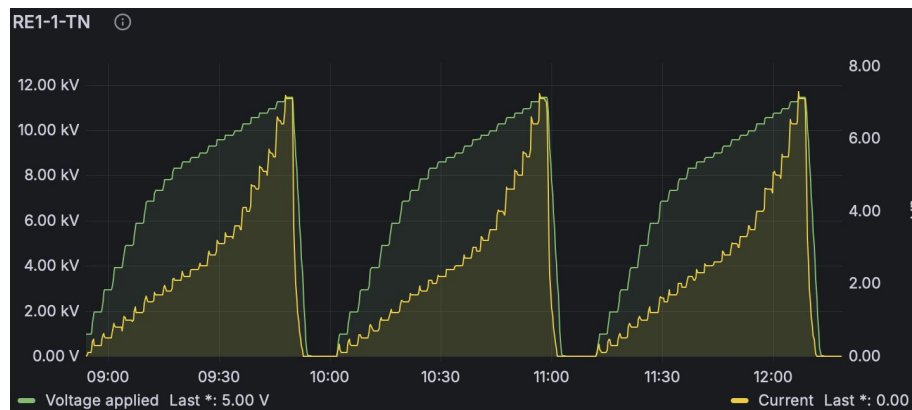
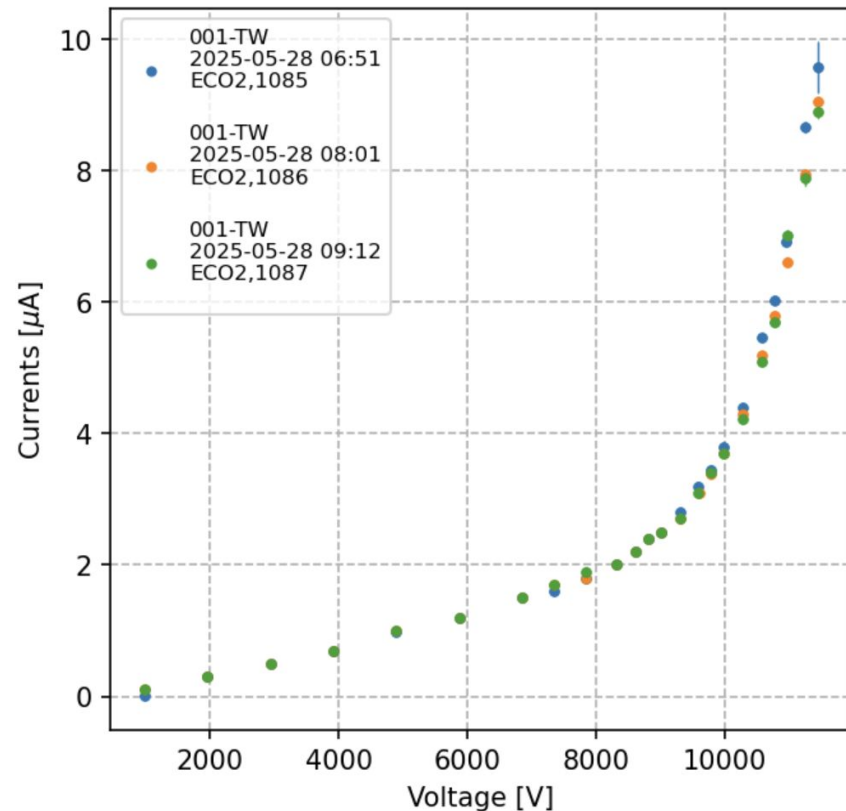
Current jumps at different HV for the different scans

Wednesday scan

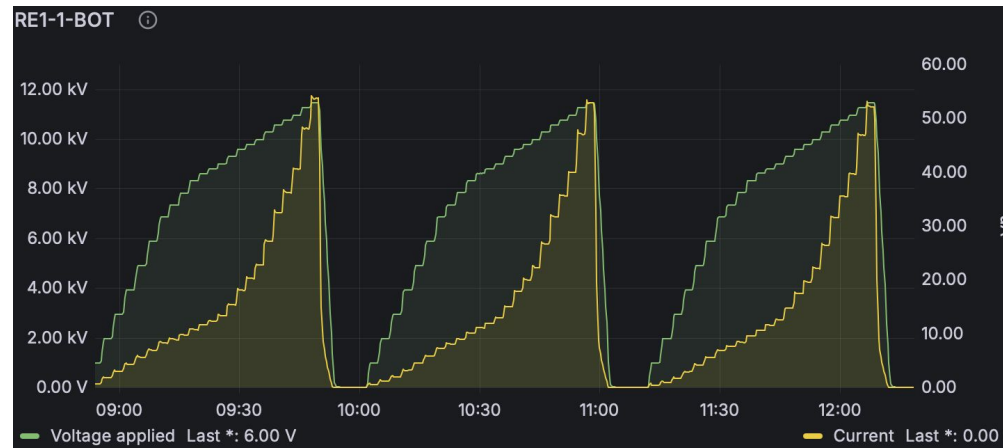
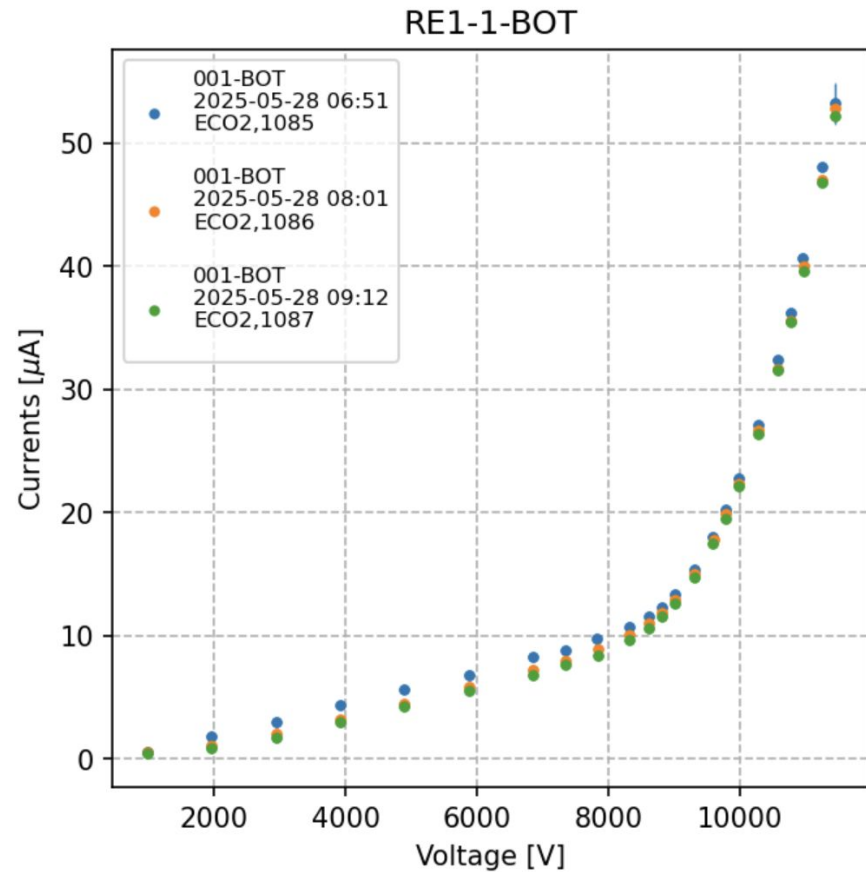
RE1-1-TN



RE1-1-TW

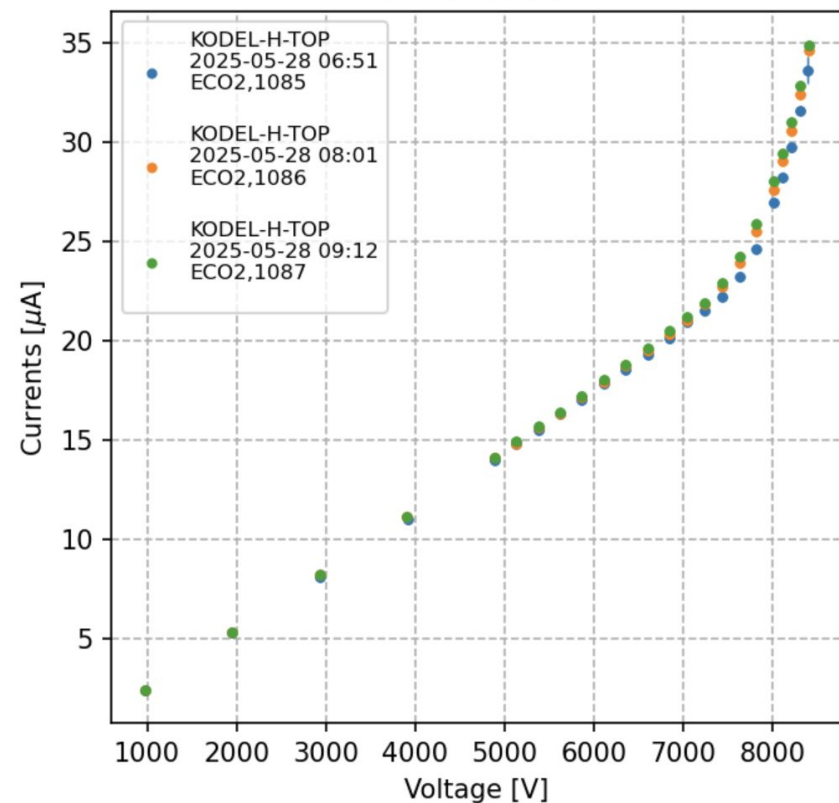


Wednesday scan

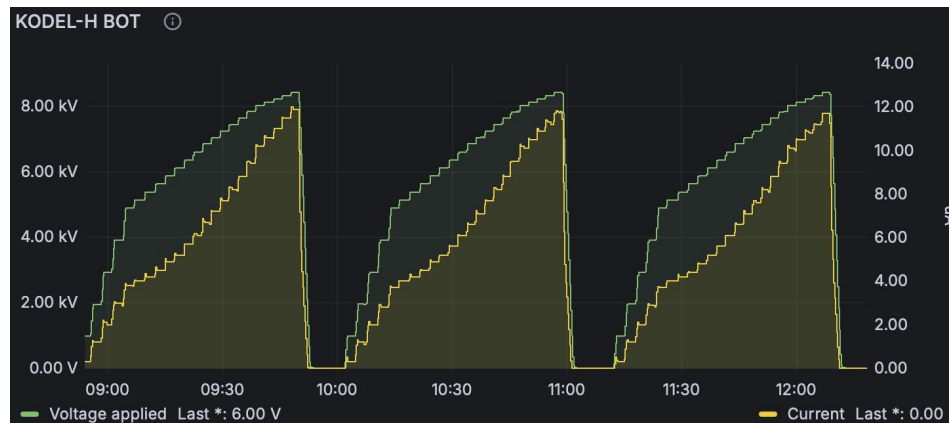
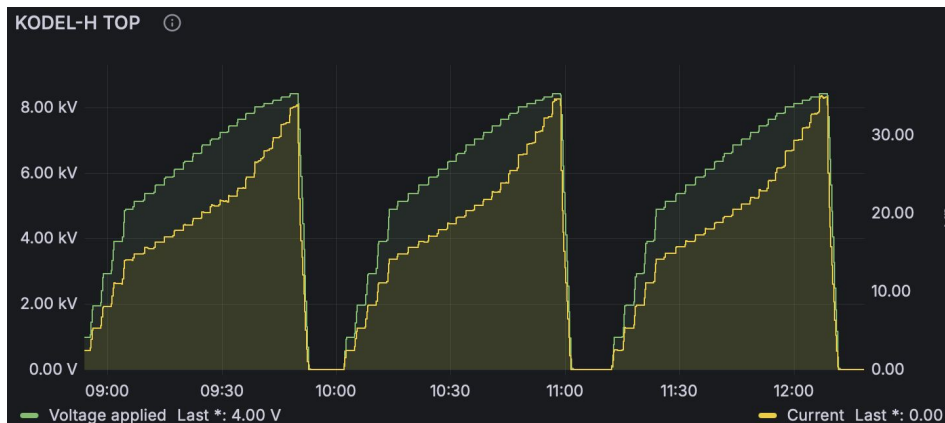
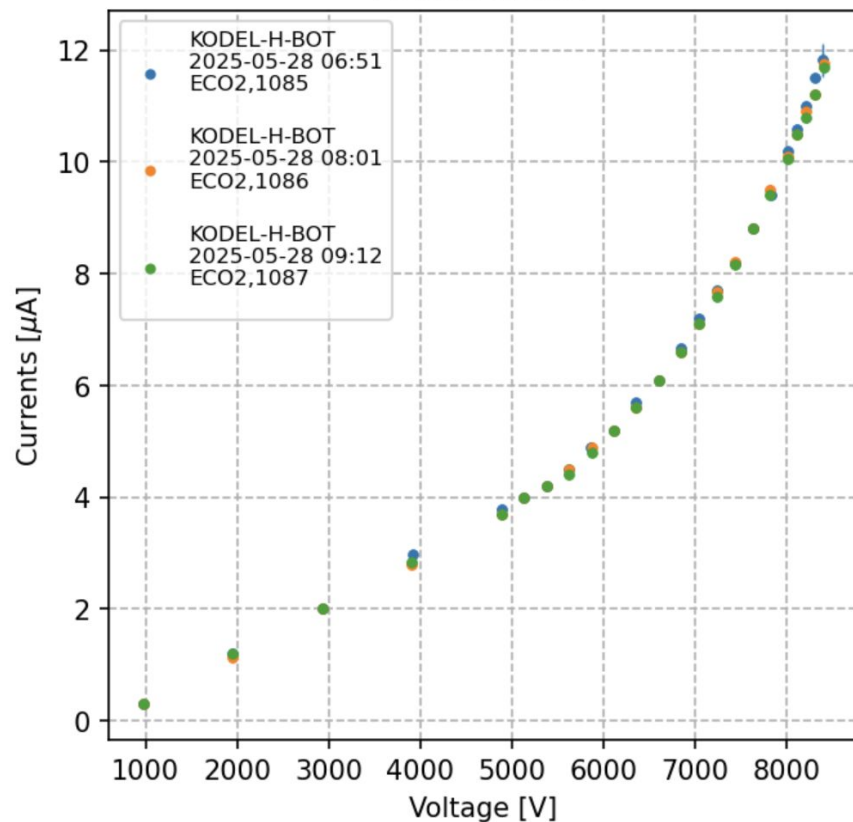


Wednesday scan

KODEL-H TOP



KODEL-H BOT

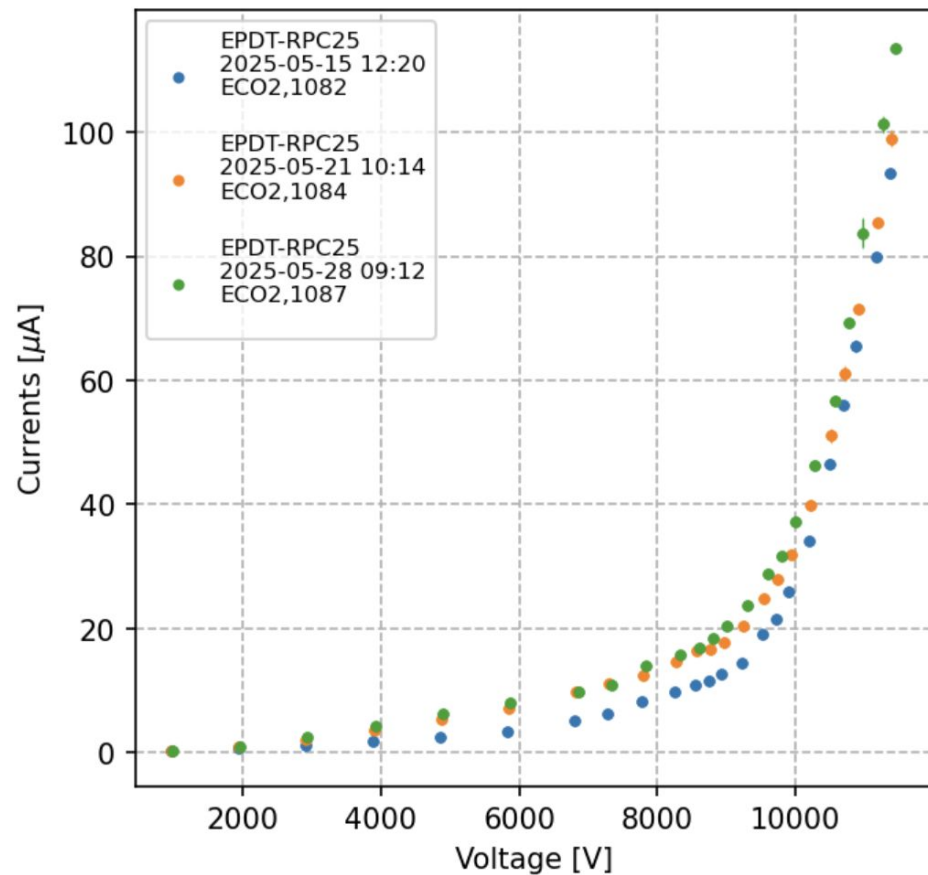




Comparison with previous scans

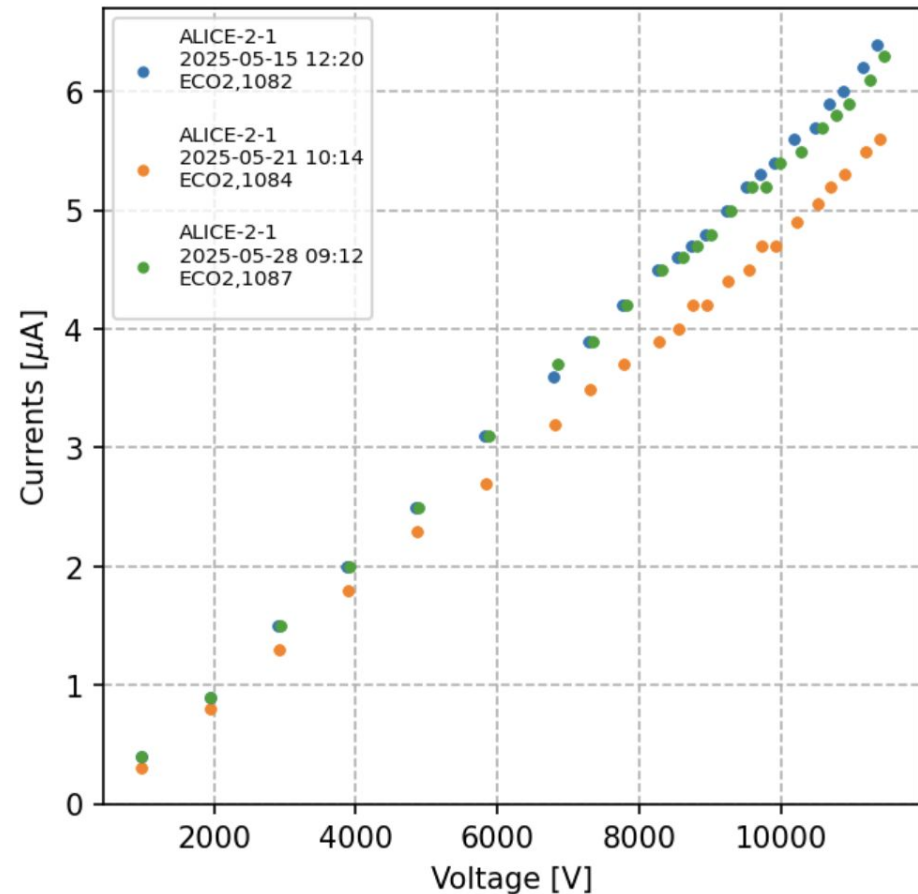
Comparison with previous scans

EPDT-25



- comparable to last week

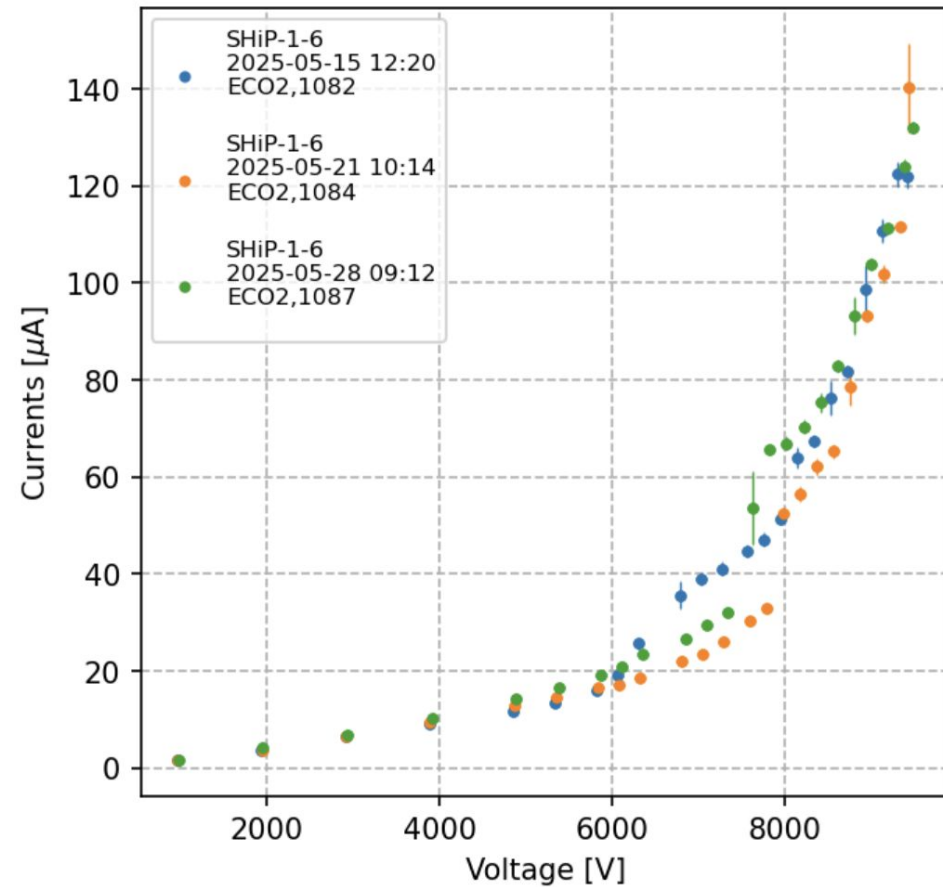
ALICE-2-1



- Oscillating behavior: current back to 2 weeks ago values

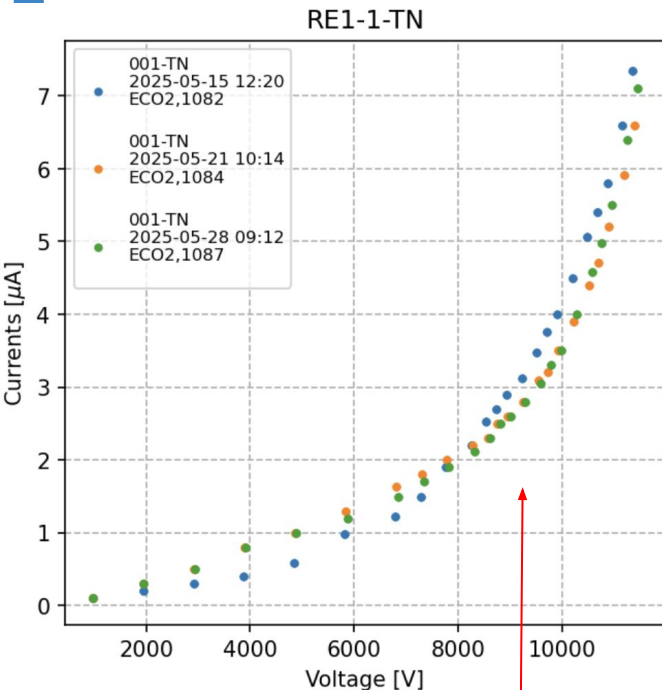
Comparison with previous scans

SHiP-1-6



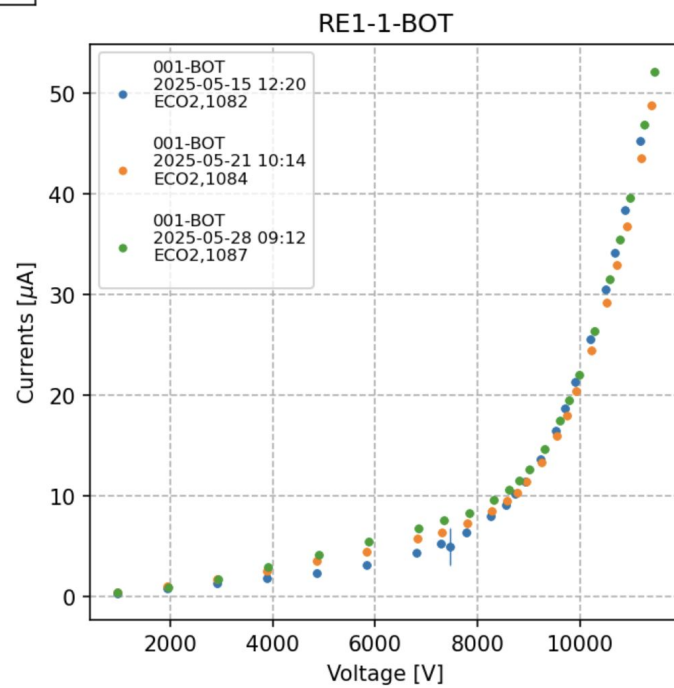
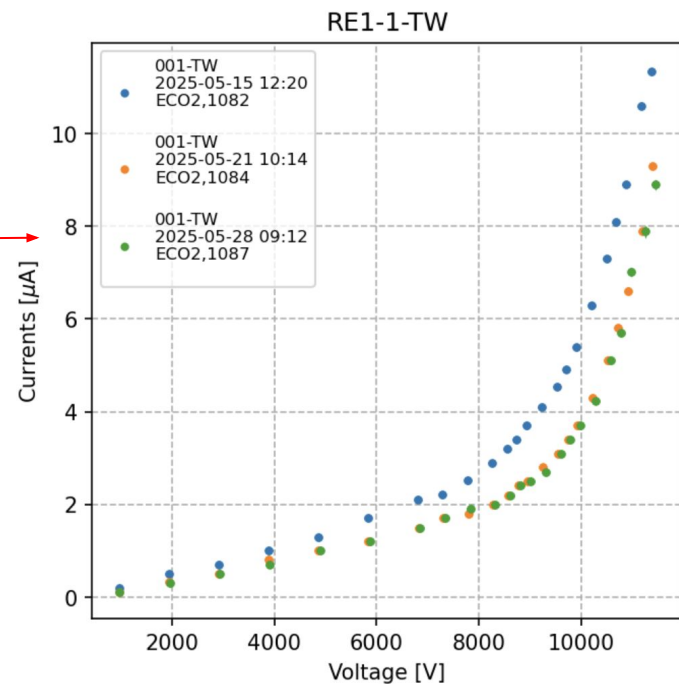
- Similar values and behavior of the past three weeks:
-> Jumps at different HV values

Comparison with previous scans



- Compatible with the previous week

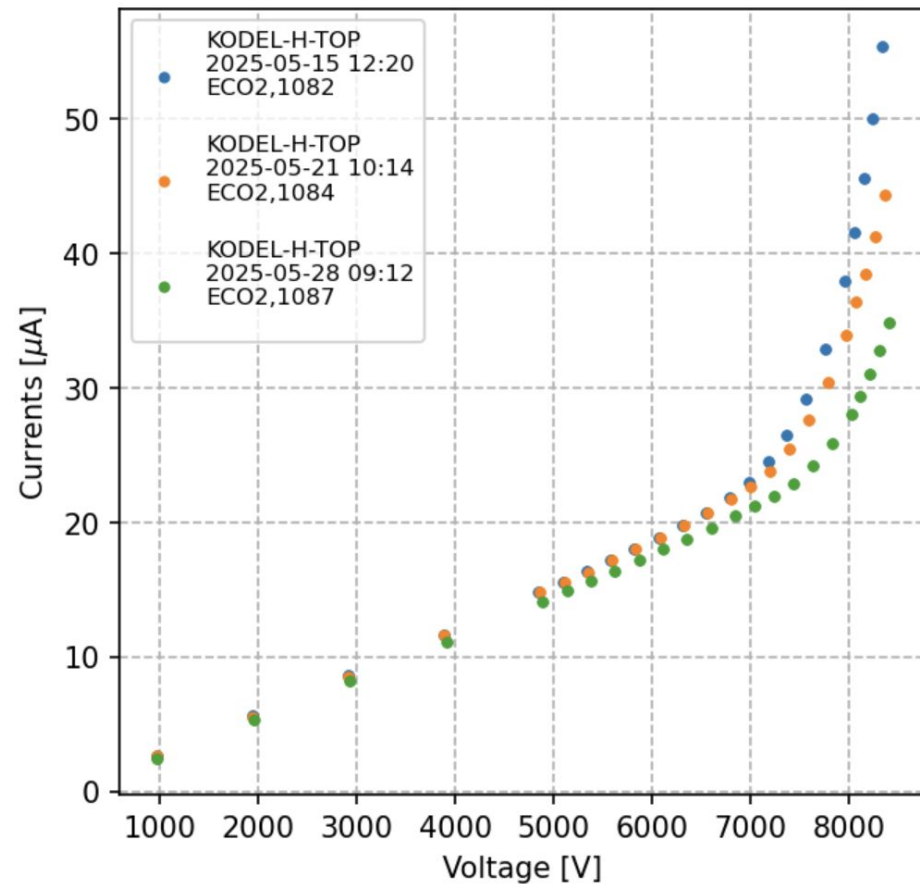
- Compatible with the previous week



- Compatible with previous weeks

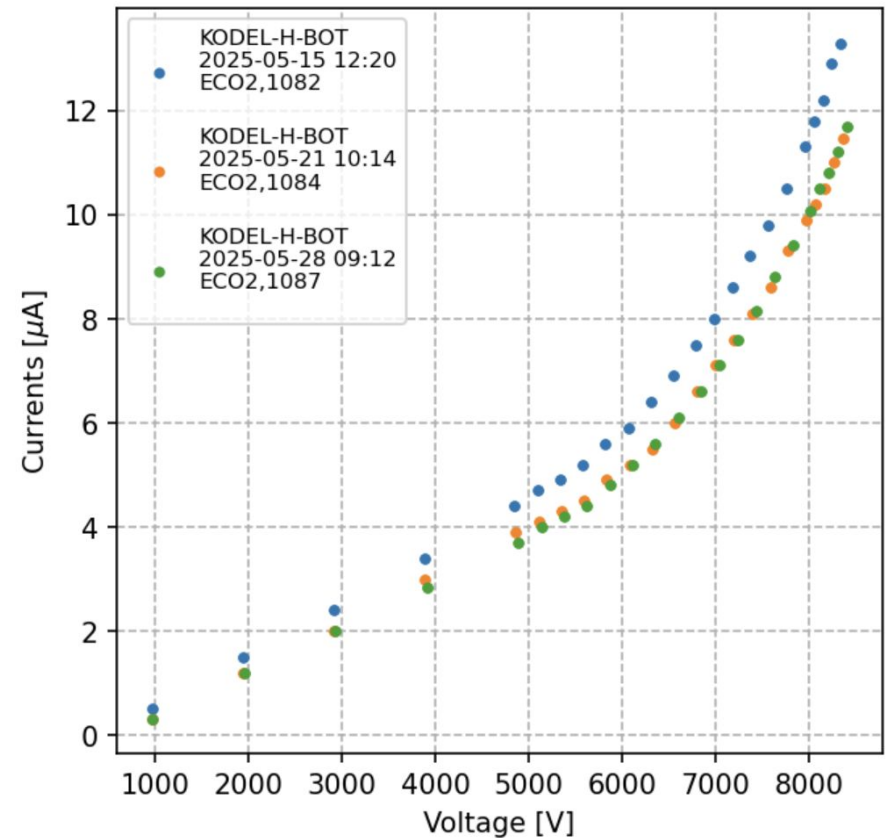
Comparison with previous scans

KODEL-H TOP



- Decreasing current

KODEL-H BOT

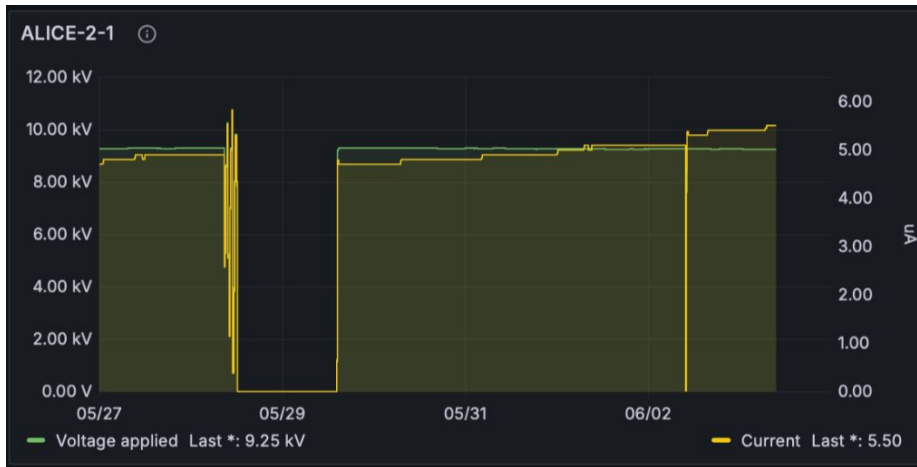


- Similar current to the previous week



Current trends over the week

Current trends over the week



- Currents increasing for the Alice and EP-DT chambers by 17% and 5% respectively.



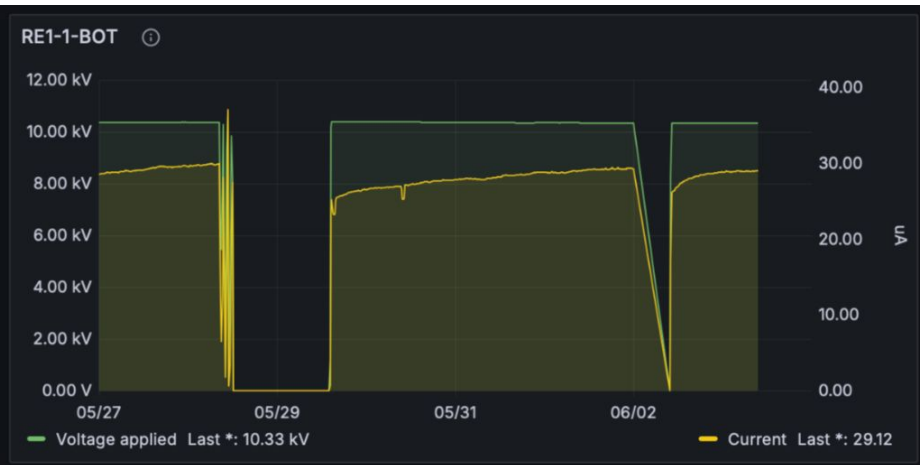
Voltage switched off due to a power glitch in the facility (around midnight of Sunday night) - all detectors went off; They were all restarted the following morning.

- Usual spikes observed in SHiP

Current trends over the week



- Increase also in RE1-1 TN by ~7% and BOT of ~14%; TW remained fairly stable.



Current trends over the week



- KODEL H's currents remained stable throughout the week.

Instructions for next shifter

Stability - Run ID 0282

SummaryRun configLog fileMonitoringPlots

ALICE-2-1

Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby
ALICE-2-1	<input checked="" type="checkbox"/>	<input type="text" value="9500"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>	<div>1 (111)</div>
EPDT-RPC25	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="300"/>	<div>1 (111)</div>
SHiP-1-6	<input checked="" type="checkbox"/>	<input type="text" value="8800"/>	<input type="text" value="5000"/>	<input type="text" value="150"/>	<div>1 (111)</div>
RE1_1_001-BOT	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="60"/>	<div>1 (111)</div>
RE1_1_001-TN	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>	<div>1 (111)</div>
RE1_1_001-TW	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>	<div>1 (111)</div>
KODEL-H-BOT	<input checked="" type="checkbox"/>	<input type="text" value="6000"/>	<input type="text" value="5000"/>	<input type="text" value="50"/>	<div>1 (111)</div>
KODEL-H-TOP	<input checked="" type="checkbox"/>	<input type="text" value="6000"/>	<input type="text" value="5000"/>	<input type="text" value="100"/>	<div>1 (111)</div>