RPC eco-gas at GIF++
Weekly report

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March 25th, 2025
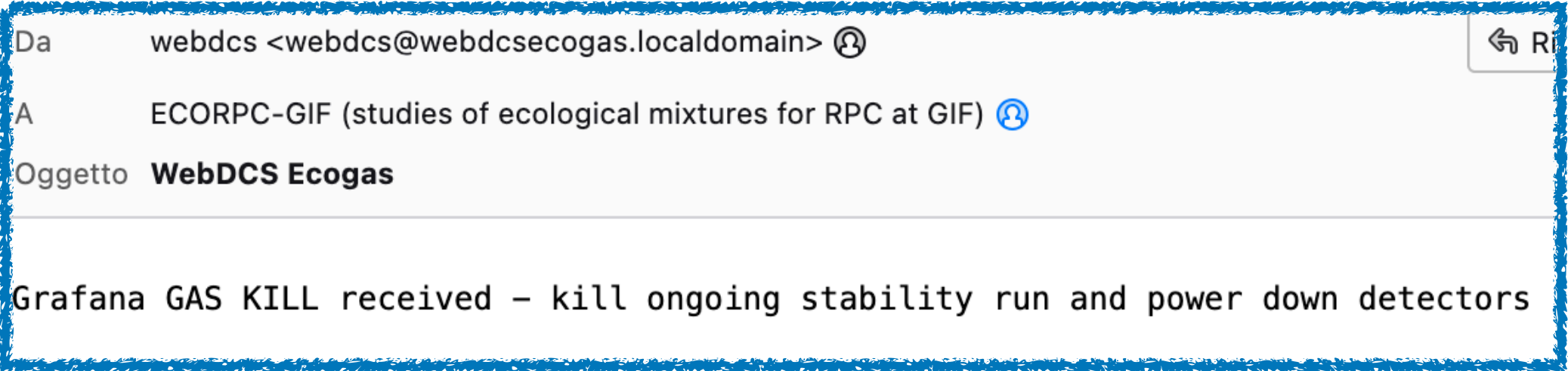
Stability runs

Stability run registry

Run ID	Start time	End time/Last action	Duration	Comment	Status
0245	2025-03-25 08:31	2025-03-25 09:02	0 days, 0 hours, 31 minutes	Stability run killed again. Starting a new one...	ONGOING
~~0244~~	~~2025-03-25 08:29~~	~~2025-03-25 08:30~~	~~0 days, 0 hours, 0 minutes~~	~~...~~ **My mistake**	~~FINISHED~~
0243	2025-03-25 07:59	2025-03-25 08:00	0 days, 0 hours, 1 minutes	Starting again a new run (killed again yesterday at 23:00)...	FINISHED
0242	2025-03-24 19:50	2025-03-24 23:48	0 days, 3 hours, 57 minutes	Restarting the stability run after Grafana GAS KILL received...	FINISHED
0241	2025-03-19 17:52	2025-03-24 17:55	5 days, 0 hours, 2 minutes	New stability run, source ON, ECO2 gas mixture...	FINISHED

- All chambers included, but ATLAS

- Power glitch at 3:25 am of Saturday night —> main network switch and all GIF DCS computers and infrastructure affected

- pc-epdt-ecogas and webdcs restarted on Monday afternoon - Thanks Stefania for taking care of this!

  - Unexpectedly run 241 was still ongoing - HV ramped up automatically after restarting WebDCS

  - Two hours later run 241 was killed, logger crashed as well ass all the FlowView panels

- Restarting the full system and run 242 started yesterday around 8 pm

  - Killed at 11:48 pm (why?)

- Run 243 restarted this morning and killed again (why?)
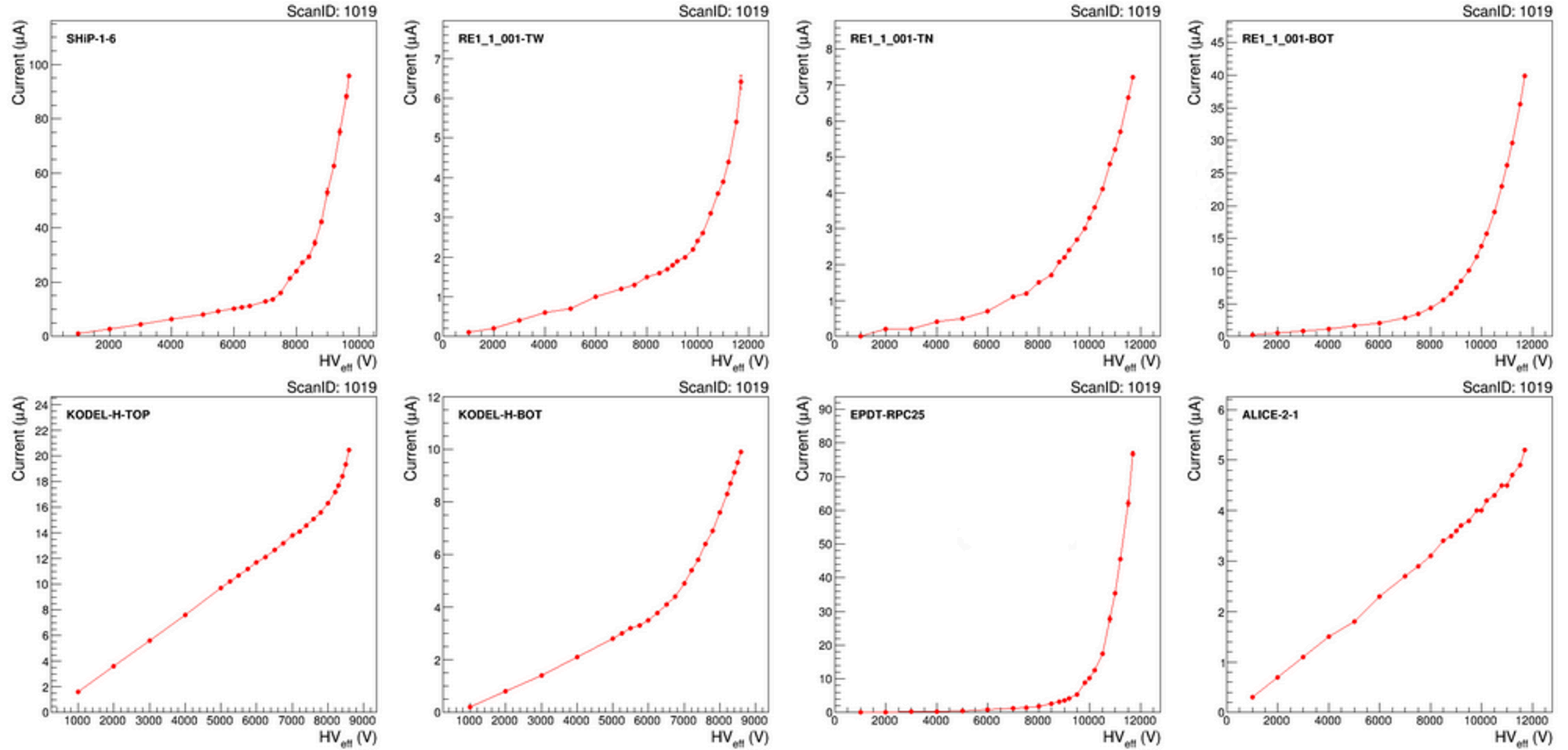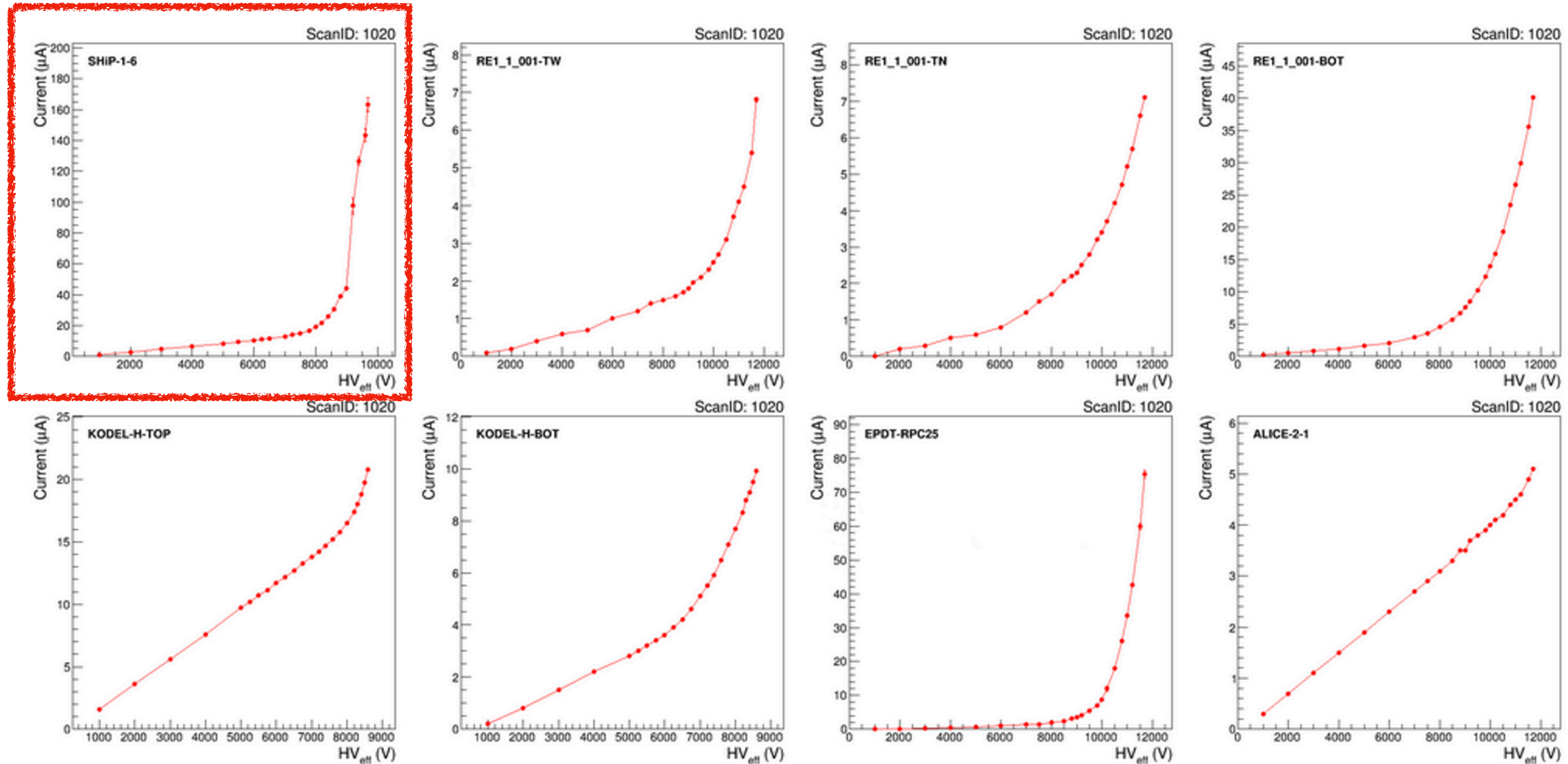
- Run 245 ongoing now

Da	webdcs <webdcs@webdcsecogas.localdomain>
A	ECORPC-GIF (studies of ecological mixtures for RPC at GIF)
Oggetto	**WebDCS Ecogas**

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Grafana GAS KILL received – kill ongoing stability run and power down detectors
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Stability run 241

Scan ID	Scan type	Start time	Label	Status	#HV
	Select scan type		Select label	Select status	
001020 ⬈	Current scan	2025-03-19 14:38	ECOGAS2	FINISHED	23
001019 ⬈	Current scan	2025-03-19 12:42	ECOGAS2	FINISHED	23

HV scan 1020
Wednesday 19th March

HV scan 1018 from last week
Wednesday 12th March
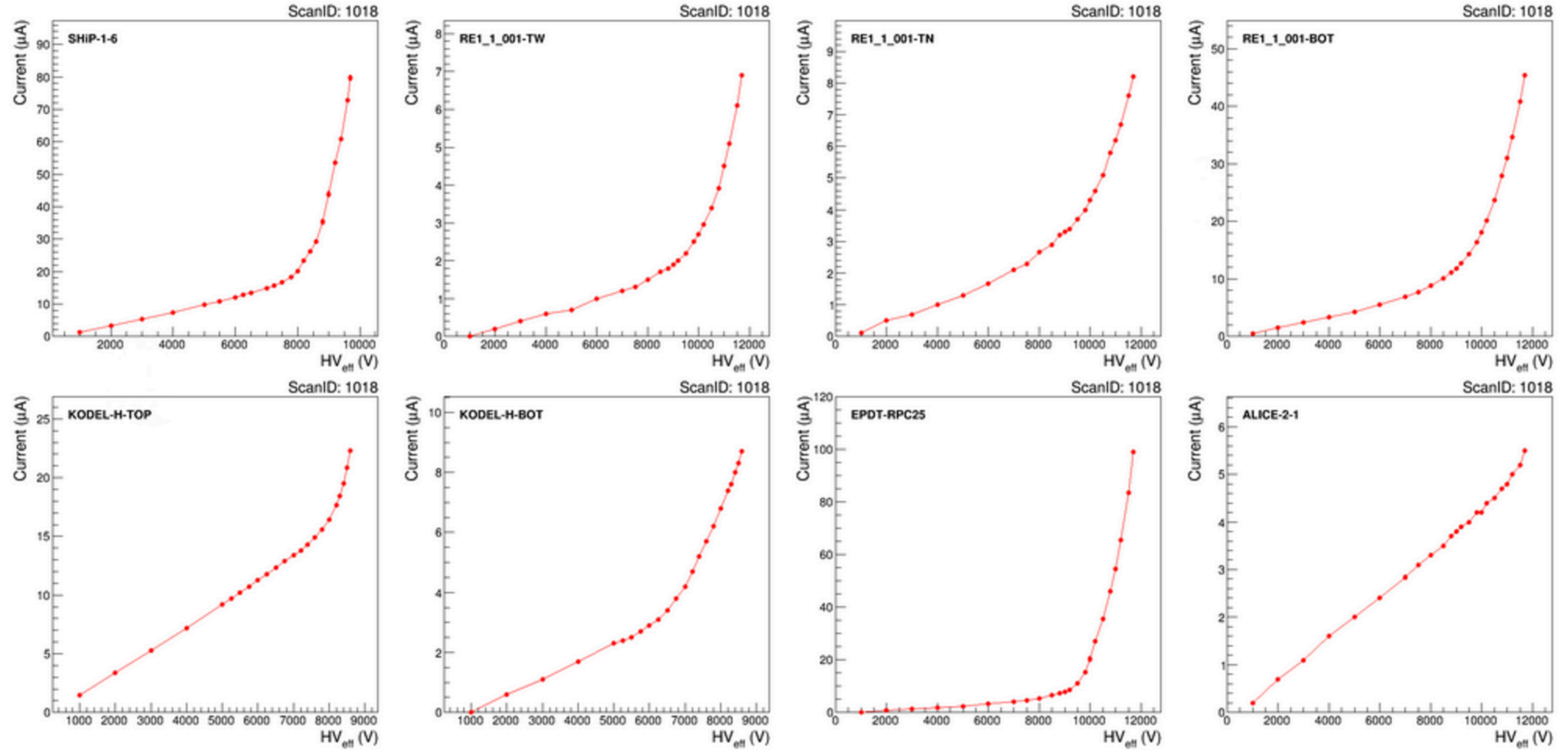
- No huge differences observed w.r.t. this week HV scans
  - Only EPDT currents 20 uA lower now w.r.t. last week HV scan

Instructions for the next shifter

Detectors to be included: ALICE, EPDT, RE1-1, SHiP, KODEL-H

For current scan use template 1019 or 1020

For stability scan use template 241 or 242 —> i0 to be changed manually

Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby
ALICE-2-1	☑	10600	6500	50	1 (111) ⌄
EPDT-RPC25	☑	9000	6500	150	1 (111) ⌄
SHiP-1-6	☑	8800	5000	170	1 (111) ⌄
RE1_1_001-BOT	☑	10600	6500	50	1 (111) ⌄
RE1_1_001-TN	☑	10600	6500	50	1 (111) ⌄
RE1_1_001-TW	☑	10600	6500	50	1 (111) ⌄
KODEL-H-BOT	☑	7700	5000	50	1 (111) ⌄
KODEL-H-TOP	☑	7700	5000	50	1 (111) ⌄