

RPC eco-gas at GLF++ Weekly report

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May 27th, 2025

Stability runs

Run ID	Start time	End time/Last action	Duration	Comment	Status
0280	2025-05-24 23:38	2025-05-26 17:32	1 days, 17 hours, 54 minutes	Run 280 , after restarting the logger, Eco2, stability ...	ONGOING
0279	2025-05-24 17:19	2025-05-24 17:20	0 days, 0 hours, 0 minutes	Trying again after restarting gas pc - Run 279, ECO2 gas mix...	FINISHED
0278	2025-05-24 17:13	2025-05-24 17:14	0 days, 0 hours, 1 minutes	Starting stability run 278 - ECO2 gas mixture...	FINISHED
0277	2025-05-24 12:43	2025-05-24 12:44	0 days, 0 hours, 1 minutes	Start new run - same issue as previous runs - New run 277...	FINISHED
0276	2025-05-24 12:34	2025-05-24 12:35	0 days, 0 hours, 1 minutes	Start new run. Previous one crashed after few seconds during...	FINISHED
0275	2025-05-24 12:26	2025-05-24 12:27	0 days, 0 hours, 0 minutes	Starting new run - the previous one was stopped automaticall...	FINISHED
0274	2025-05-24 12:22	2025-05-24 12:23	0 days, 0 hours, 0 minutes	Start new stability run 274. Previous run crashed again afte...	FINISHED
0273	2025-05-24 00:16	2025-05-24 00:53	0 days, 0 hours, 36 minutes	Start new run (273). The previous one was killed immediately...	FINISHED
0272	2025-05-24 00:06	2025-05-24 00:07	0 days, 0 hours, 0 minutes	Start new run (272) after crash of logger - ECO2 gas mixture...	FINISHED
0271	2025-05-21 19:18	2025-05-23 23:33	2 days, 4 hours, 14 minutes	Start new stability run (271) after GIF++ weekly access - so...	FINISHED
0270	2025-05-20 23:09	2025-05-21 10:41	0 days, 11 hours, 32 minutes	Start new stability run (270) after grafana gas kill (HFO al...	FINISHED
0269	2025-05-20 19:35	2025-05-20 22:56	0 days, 3 hours, 20 minutes	Start again the stability run (269) after grafana gas kill (...	FINISHED
0268	2025-05-20 19:34	2025-05-20 19:34	0 days, 0 hours, 0 minutes	Start again the stability run (268) after grafana gas kill (...	FINISHED
0267	2025-05-20 11:53	2025-05-20 18:24	0 days, 6 hours, 30 minutes	Start again the stability after grafana gas kill (HFO alert)...	FINISHED

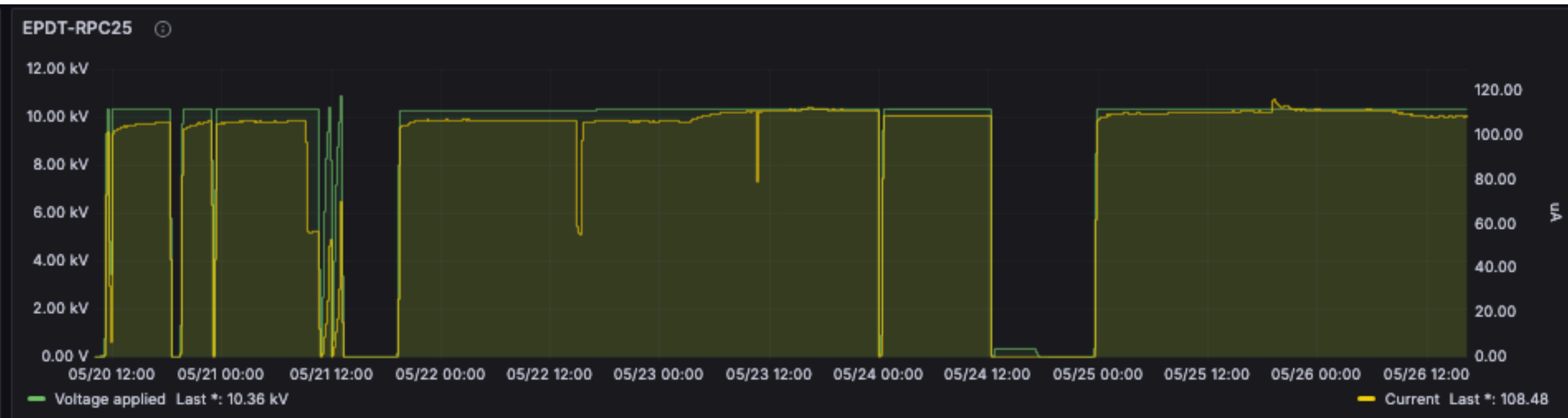
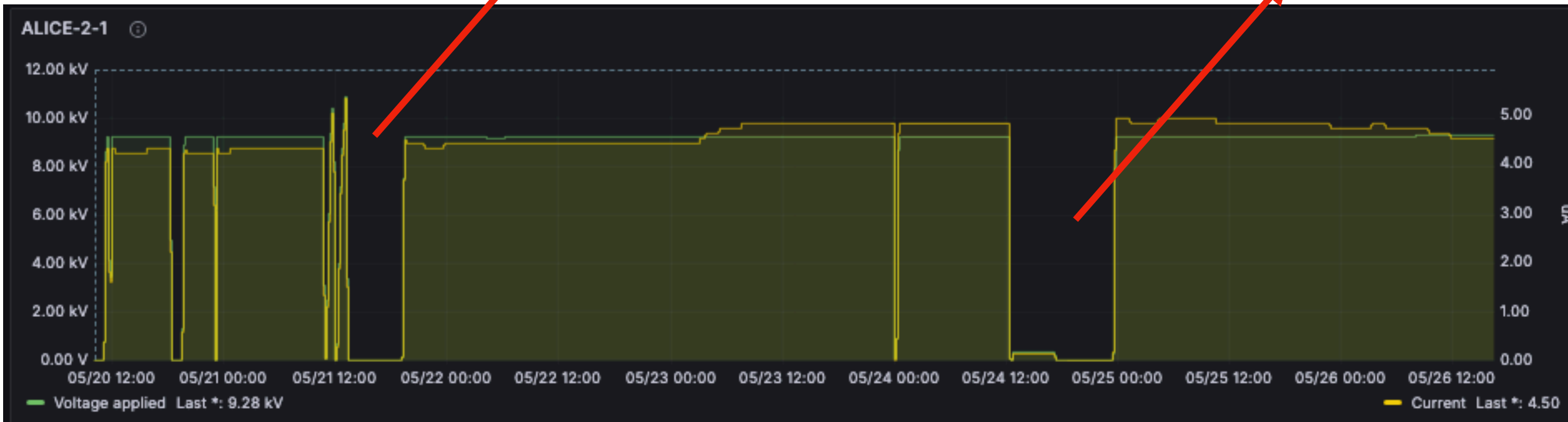
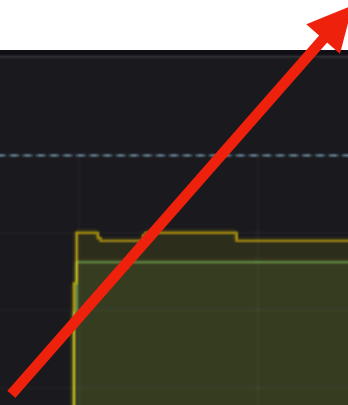
- All chambers included, but ATLAS - Run 280 ongoing now
- We had a problem on Saturday 24th May with the start of new runs - logger crashed continuously and runs were stopped
 - Several attempts (including the restart of the gas computer at some point), but without success
 - Luca suggested us to launch “python watchdog.py”. It worked! - **Can we add these instructions to the official documentation?**
 - Few runs were started also on 20th and 21st - Was watchdog running on that moment?

Stability run(s)

GIF++ Wednesday weekly access

Two source off scans

Saturday problem with new run start



- No detector related problems observed
- Snapshot updated at ~17:00 of 26th of May

Stability run(s)



- No detector related problems observed
- Snapshot updated at ~17:00 of 26th of May

HV scans with source OFF

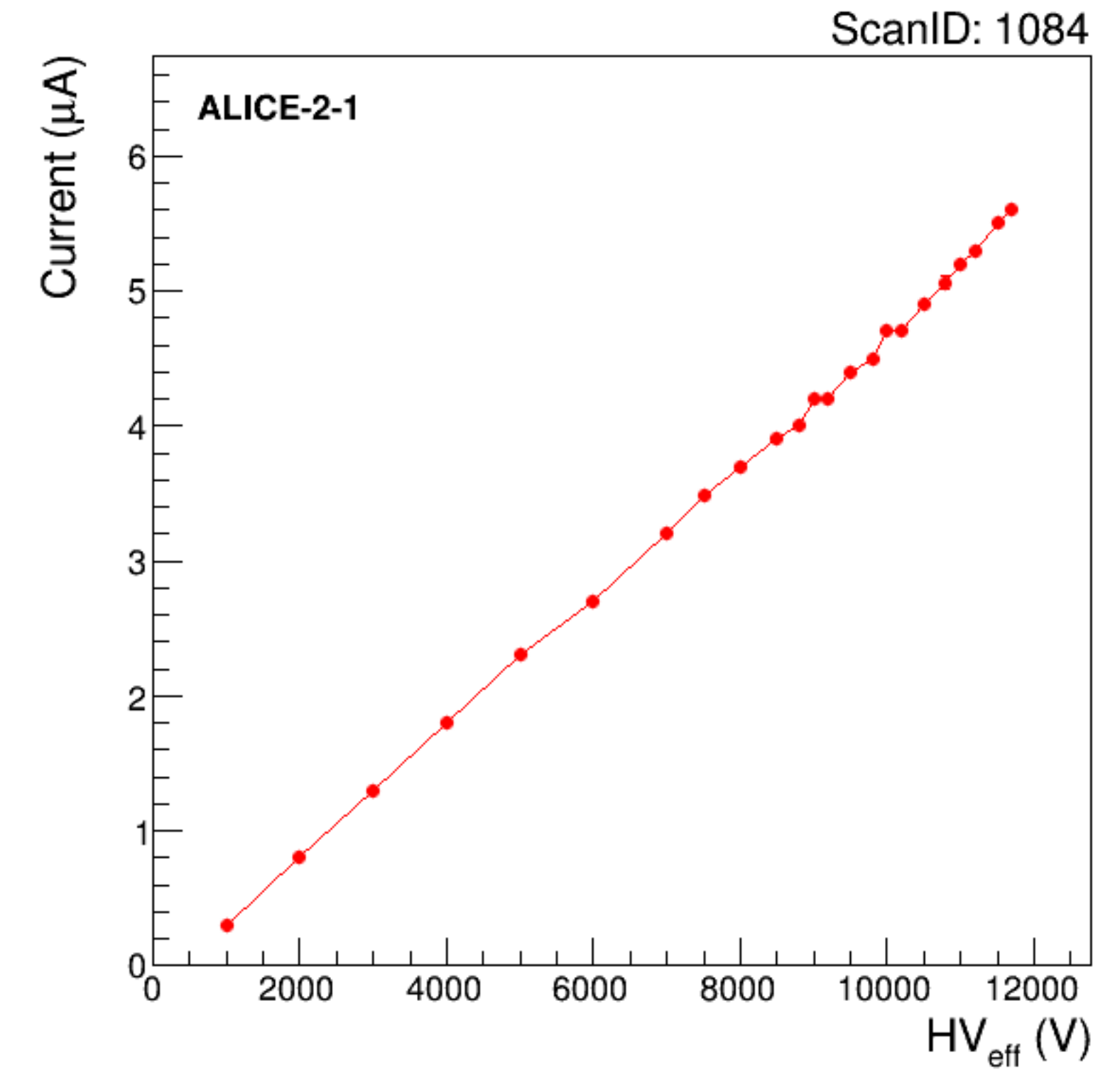
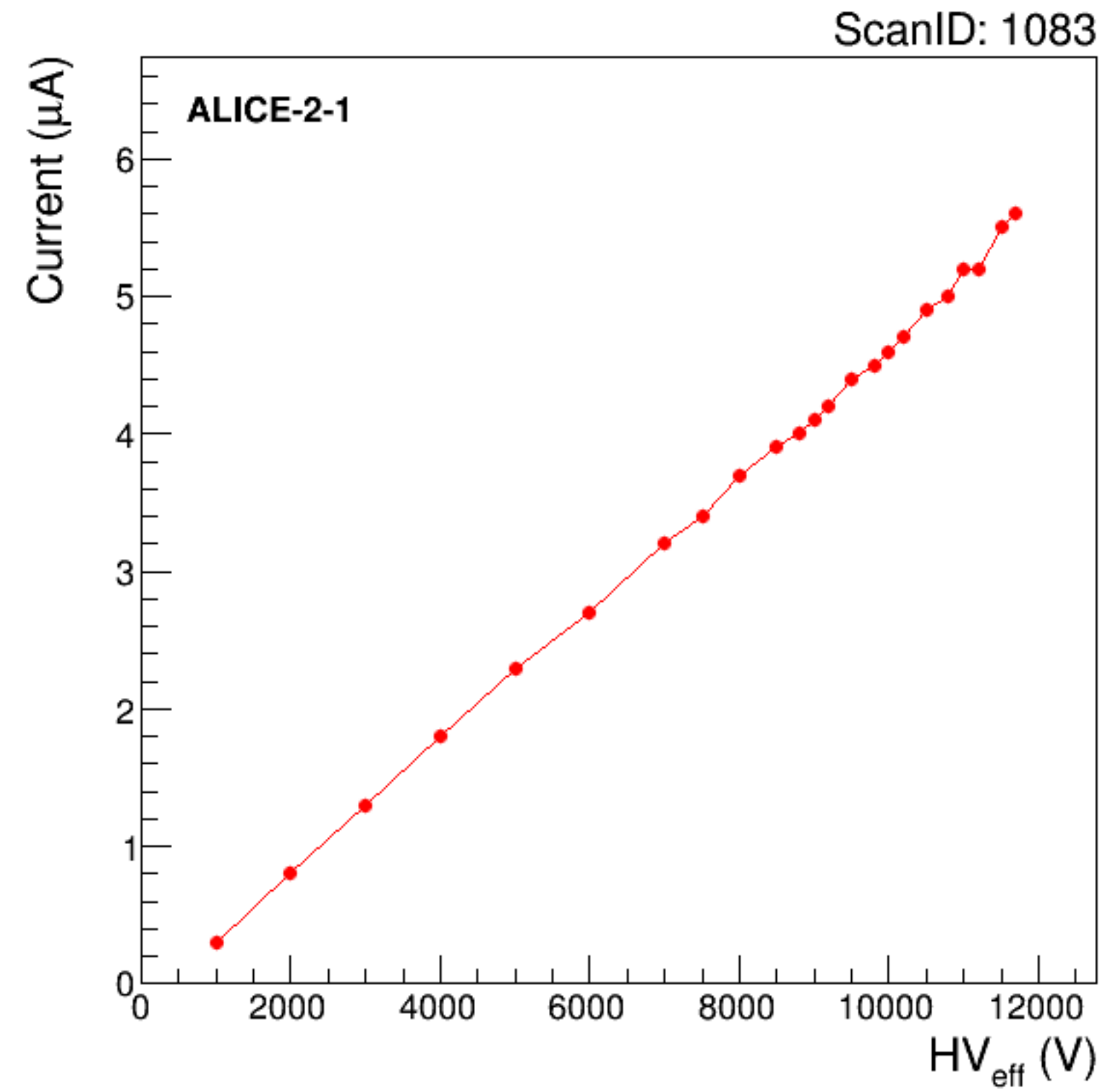
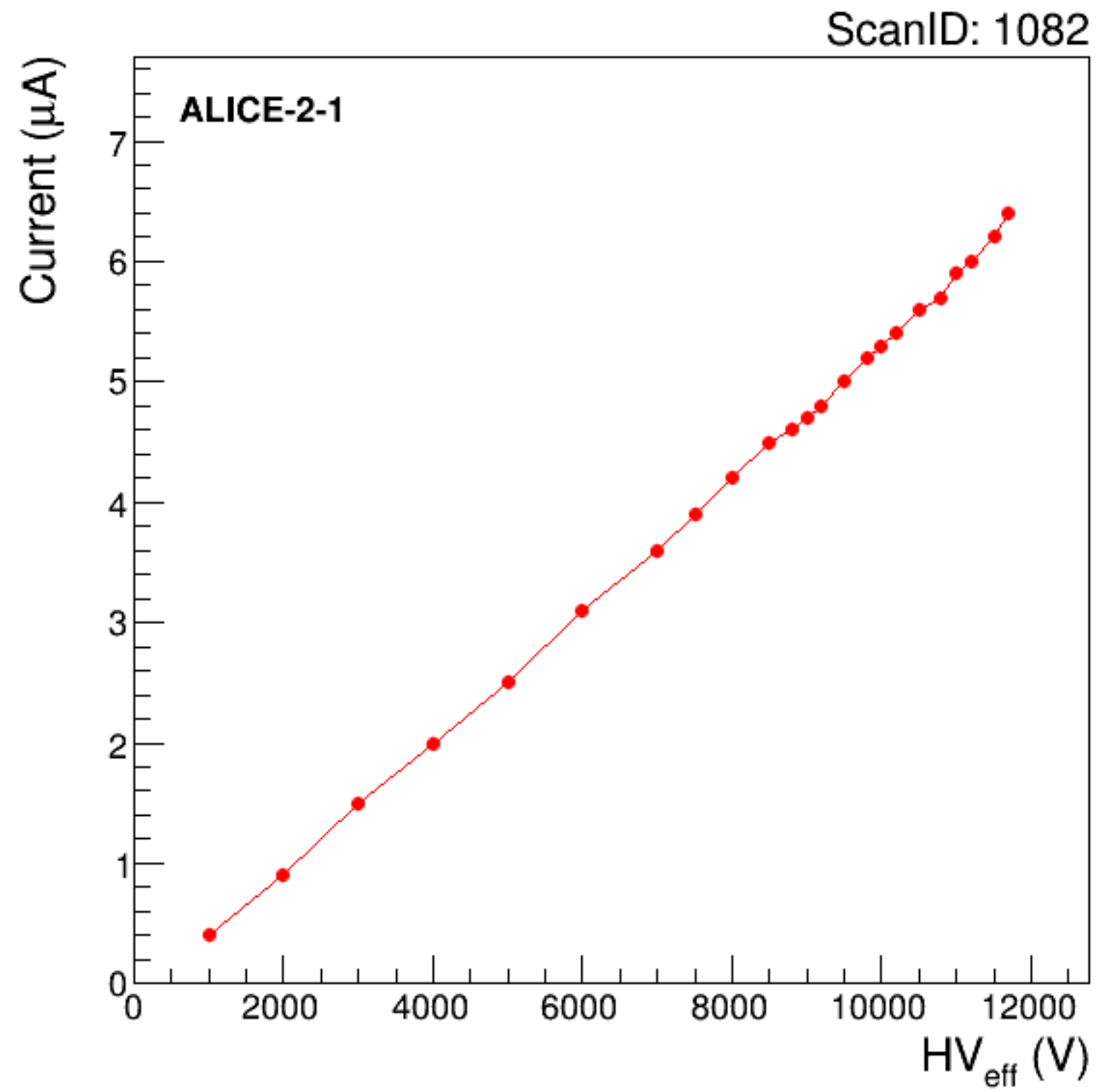
HVscan run registry

Scan ID	Scan type	Start time	Label	Status	#HV
<input type="text"/>	<div>Select scan type</div>	<input type="text"/>	<div>Select label</div>	<div>Select status</div>	<input type="text"/>
001084 ↗	Current scan	2025-05-21 12:14	ECOGAS2	FINISHED	23
001083 ↗	Current scan	2025-05-21 10:59	ECOGAS2	FINISHED	23

ALICE-2-1

Last week scan

This week scans

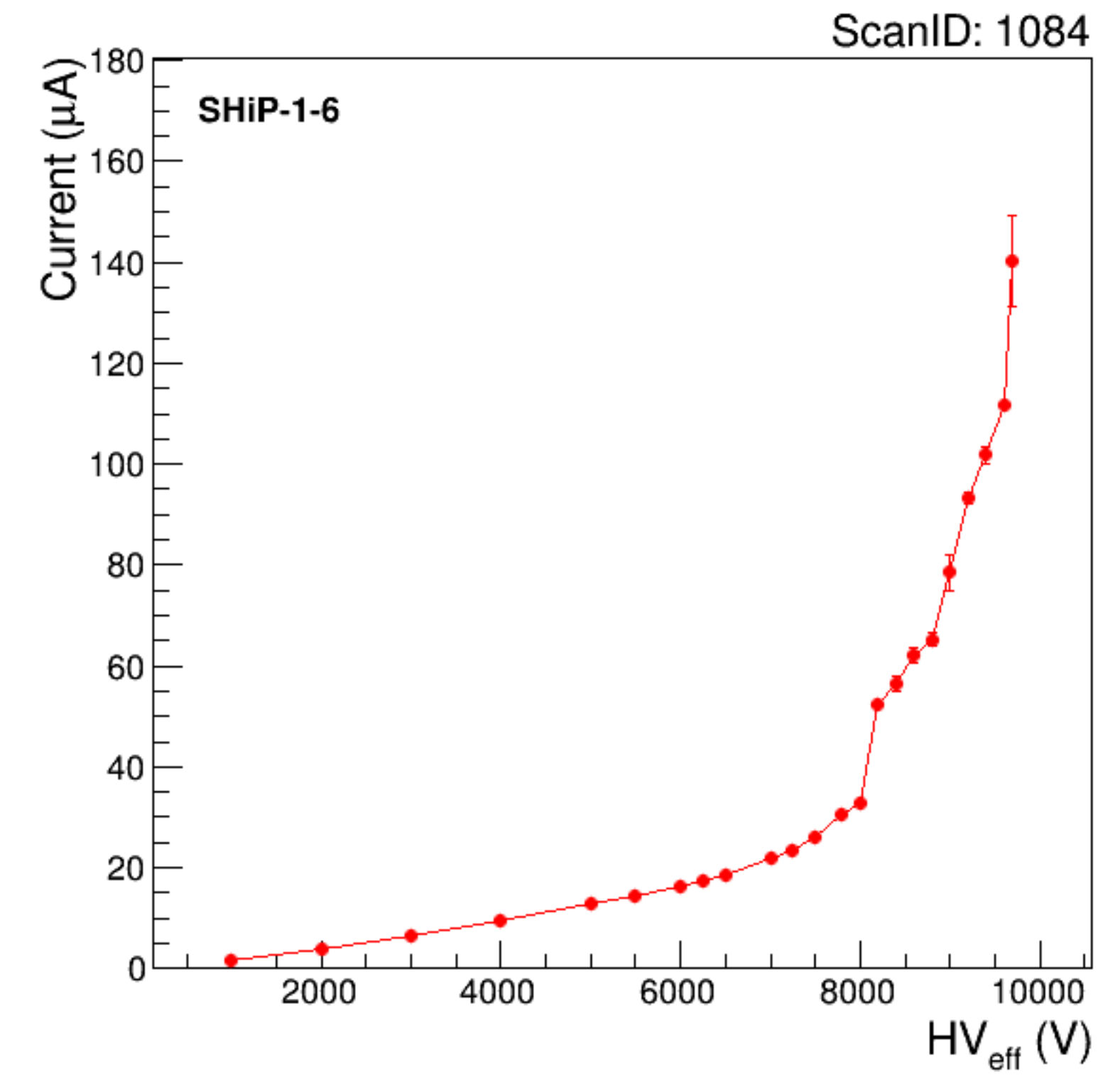
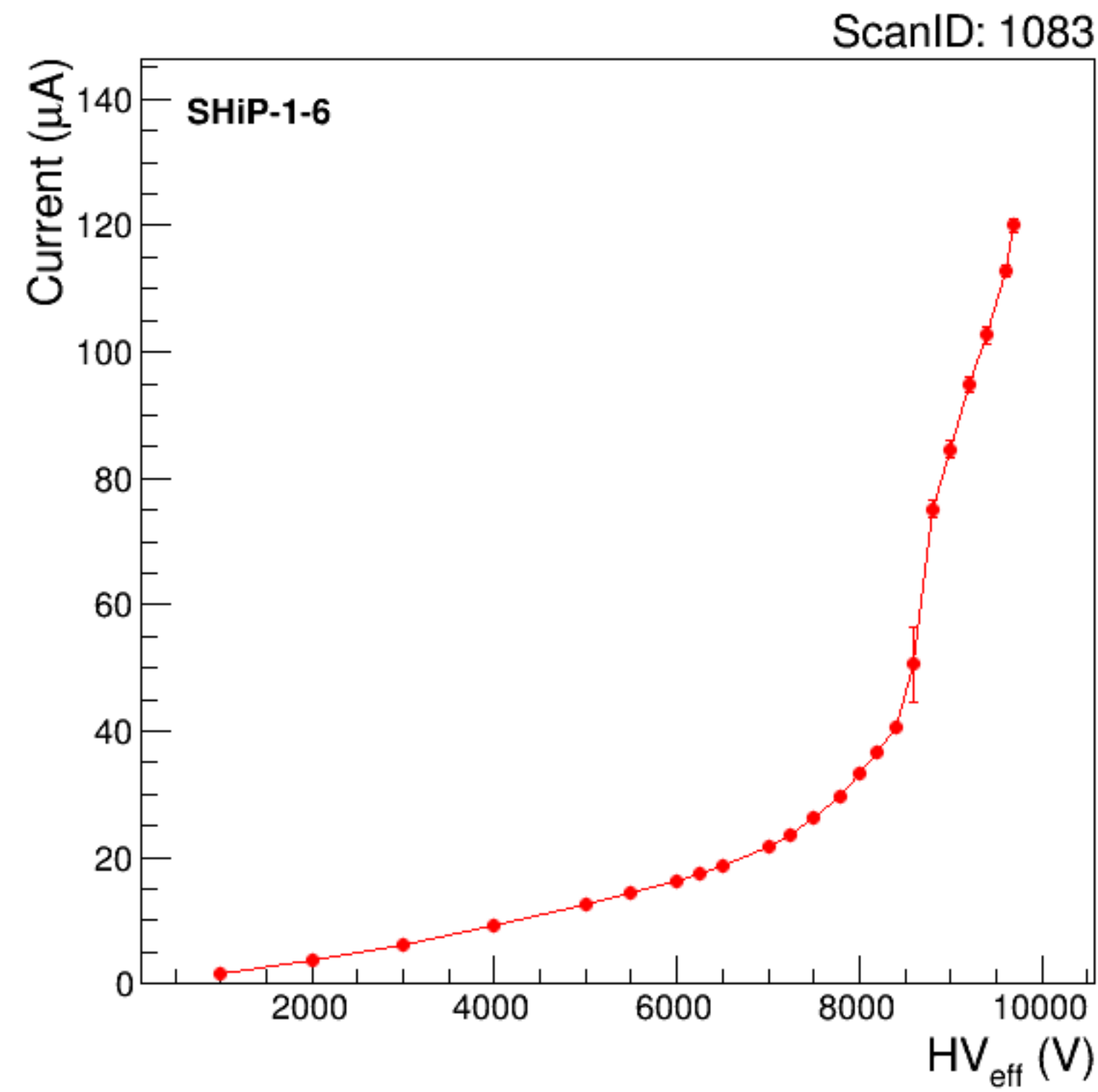
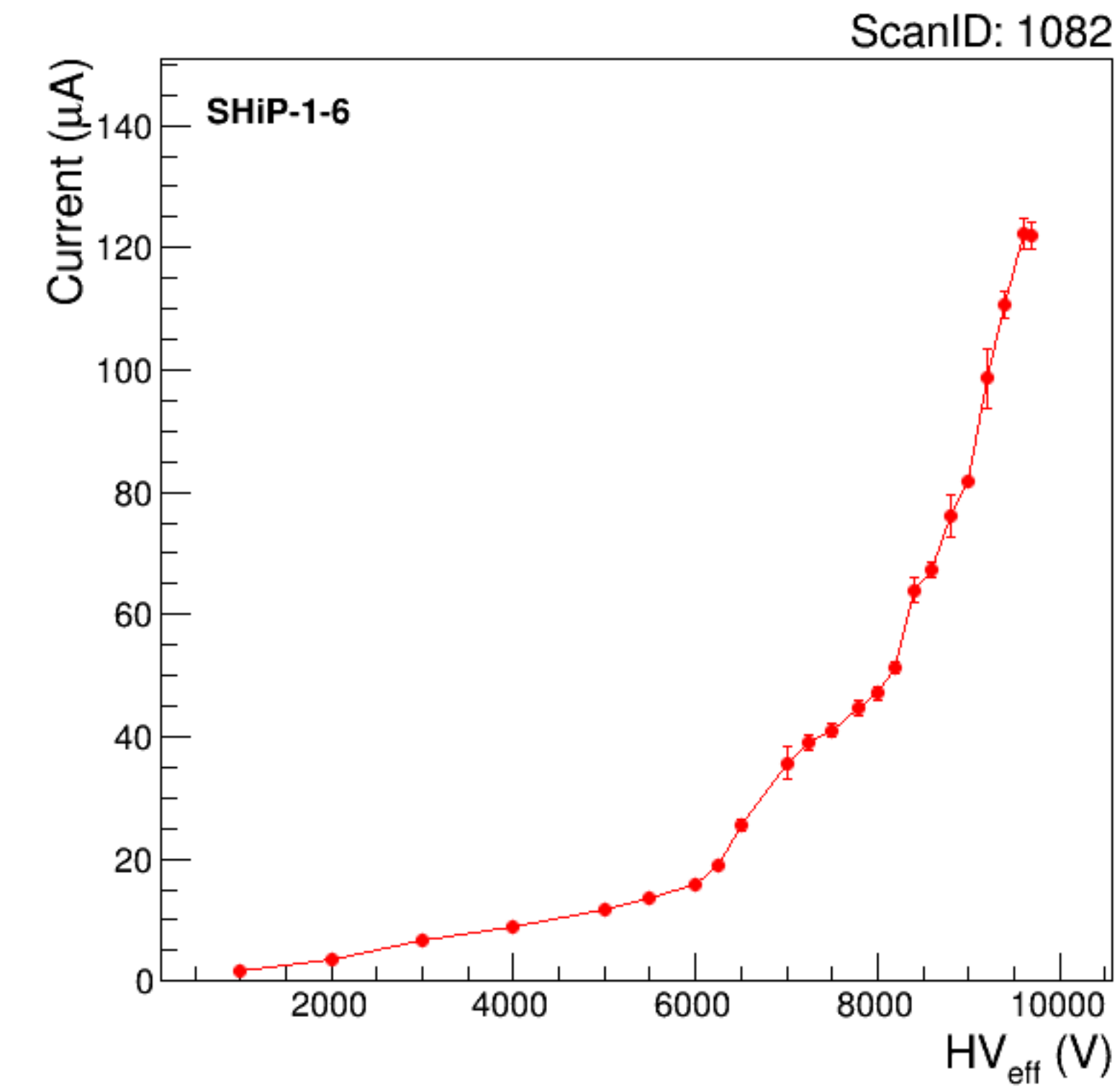


- In good agreement with past scan

SHIP-1-6

Last week scan

This week scans

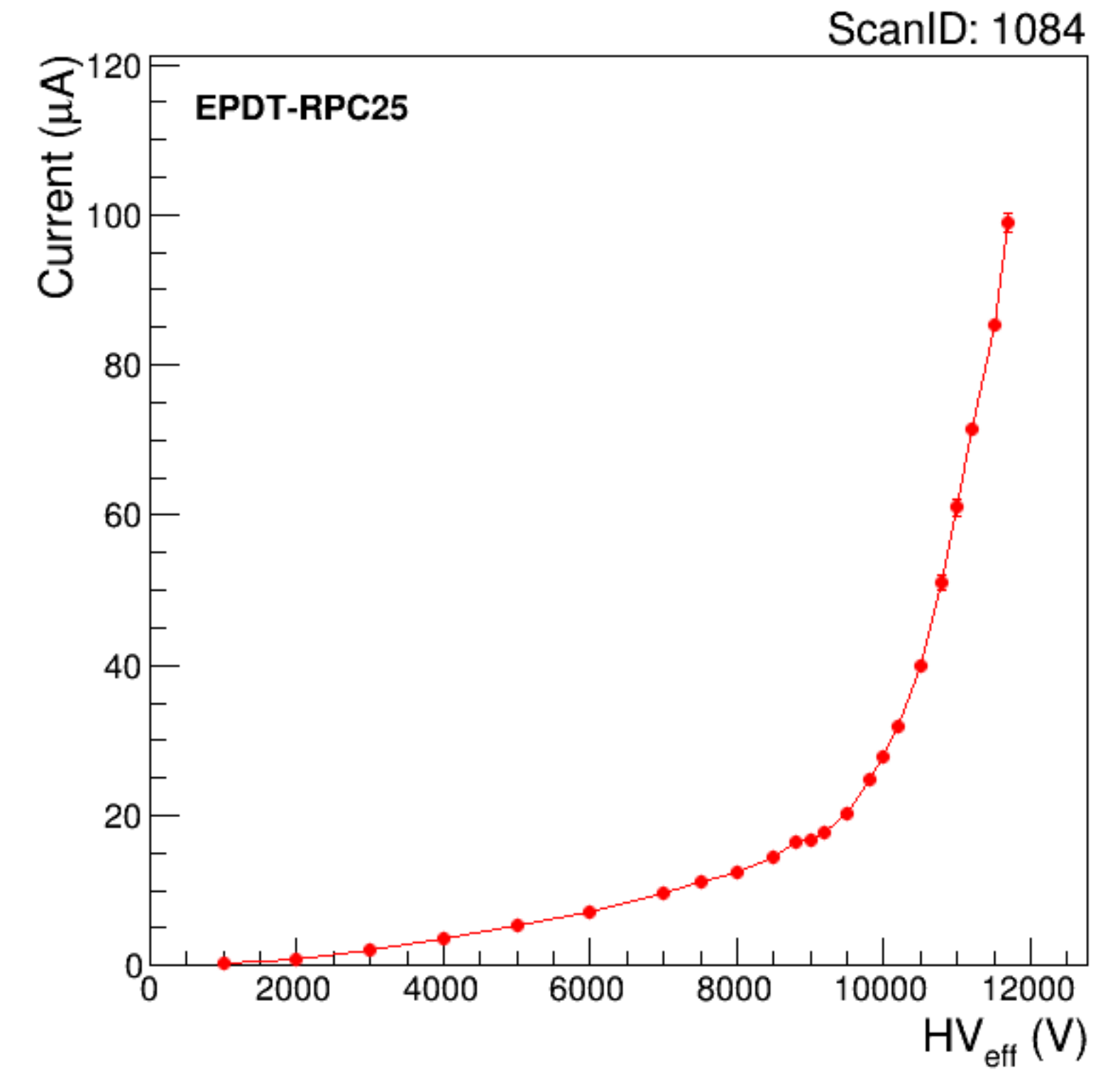
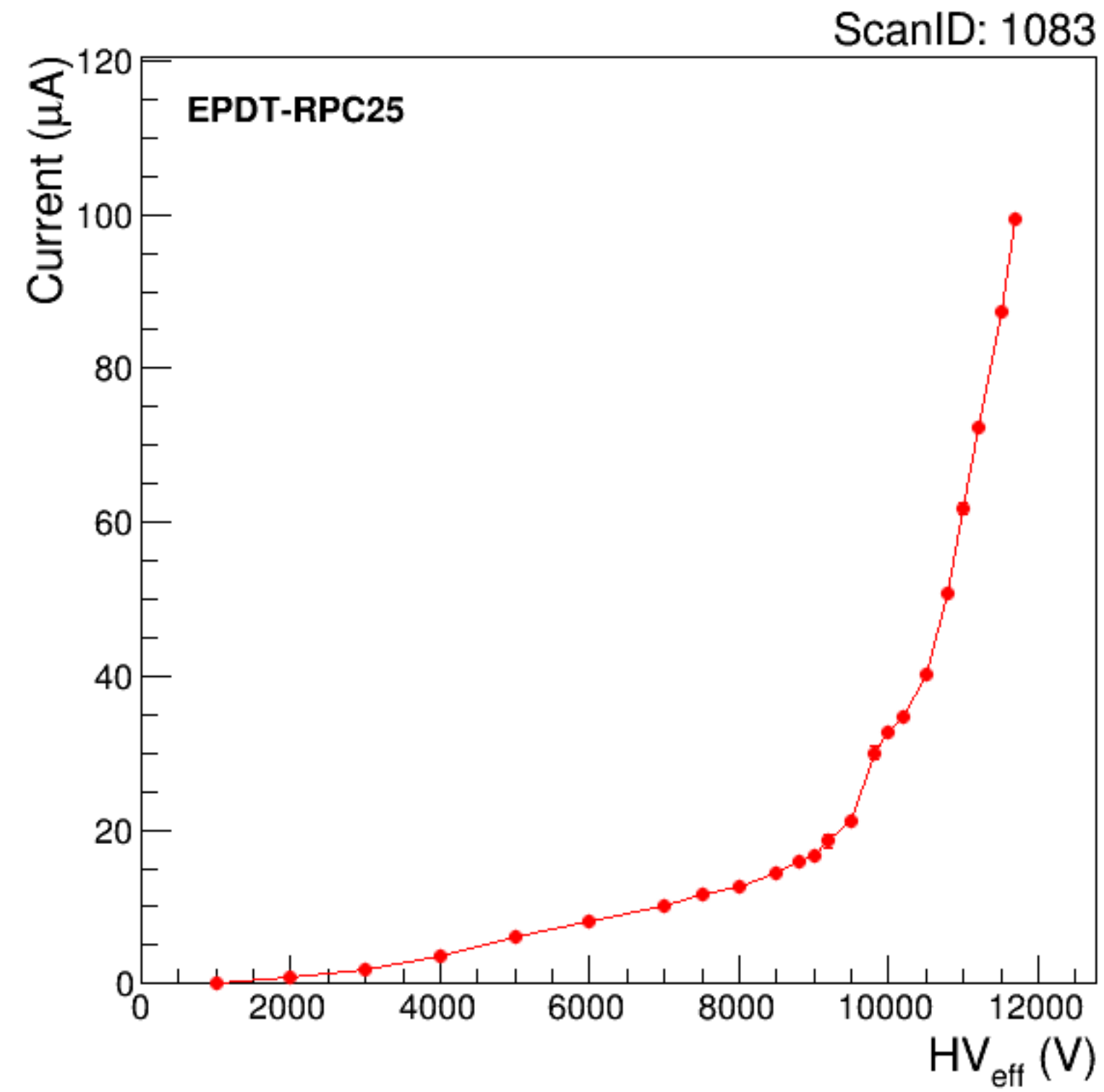
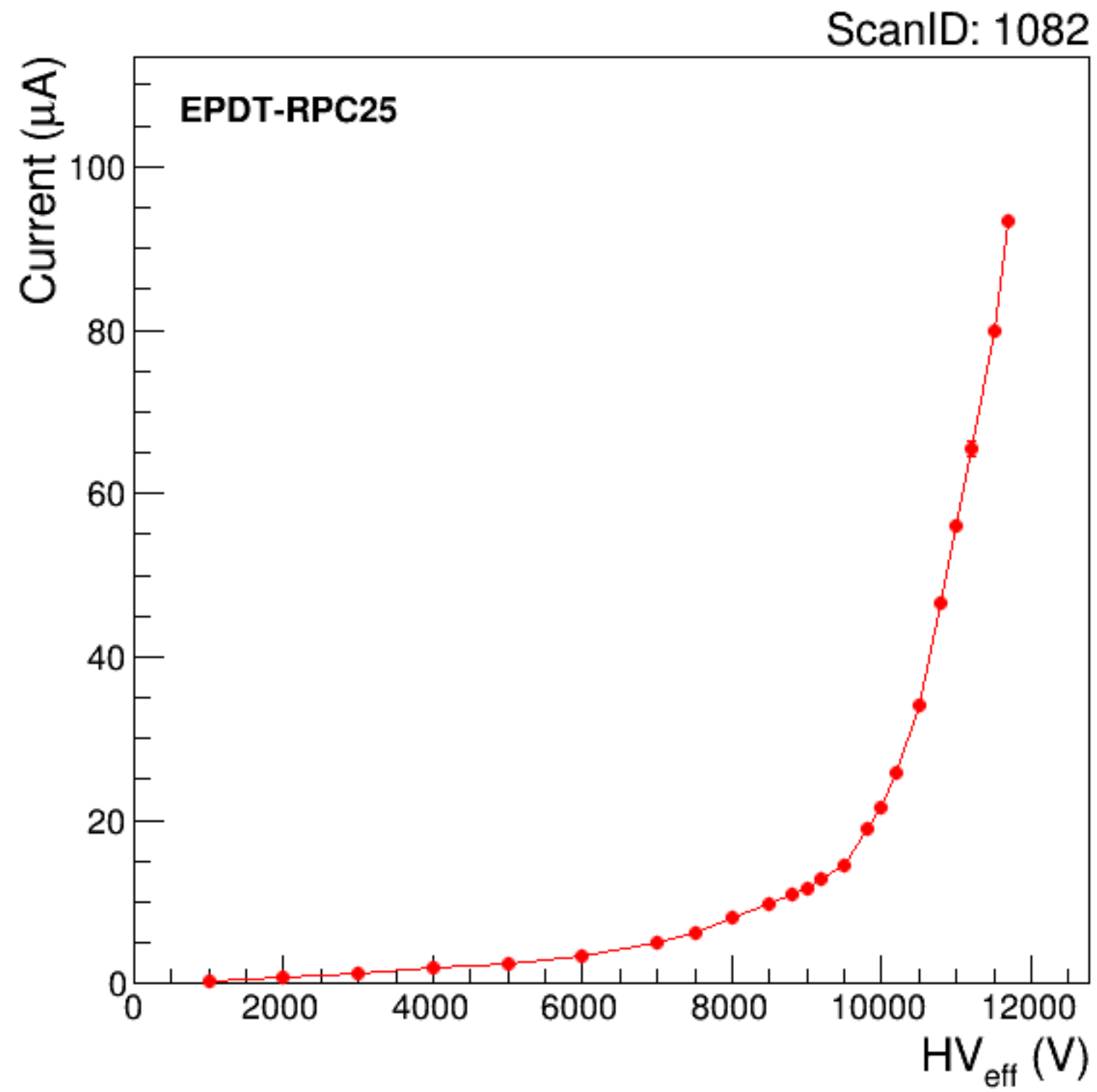


- Some currents jumps during HV scan, but already observed in the past

EPDT-RPC25

Last week scan

This week scans

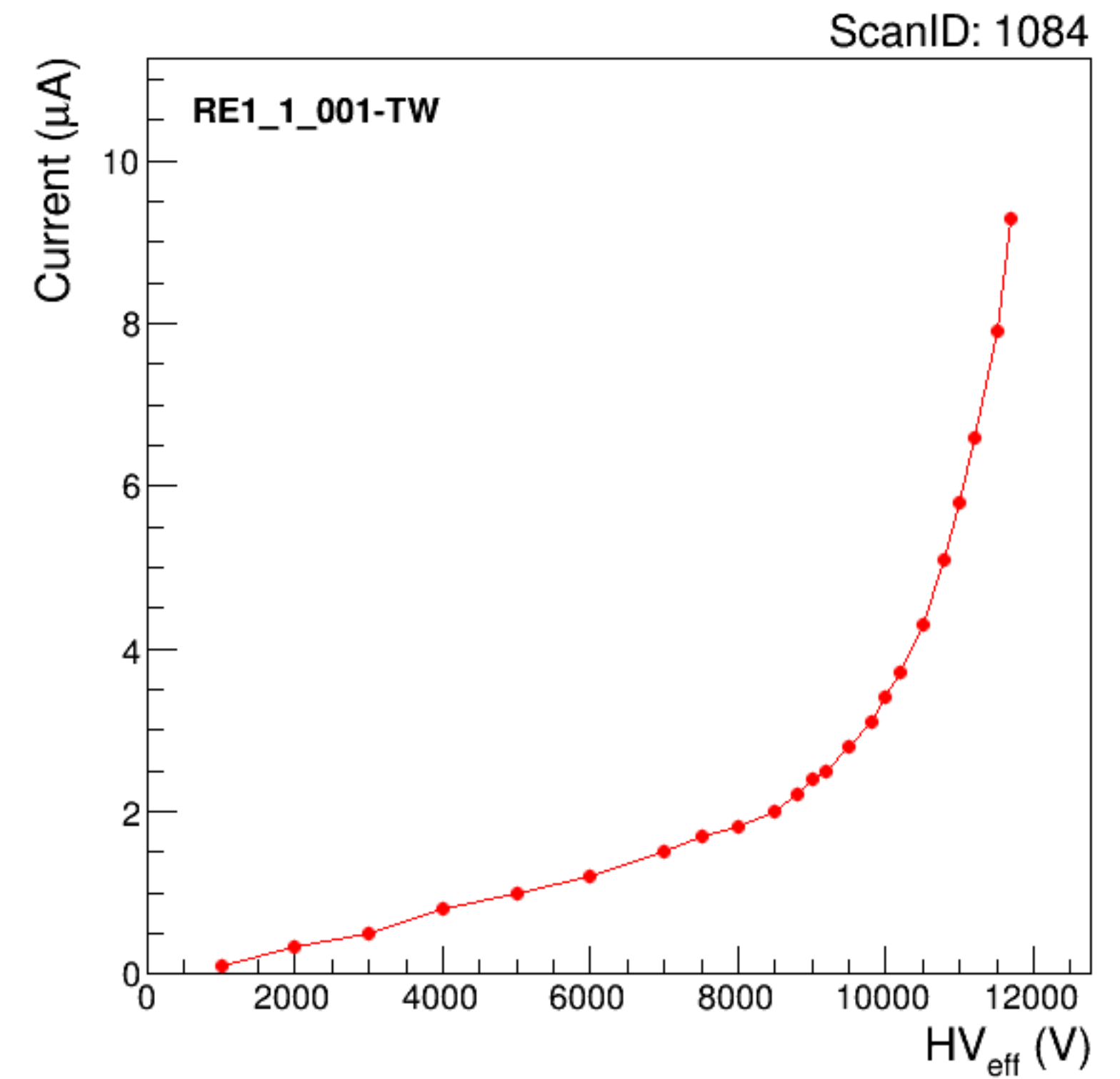
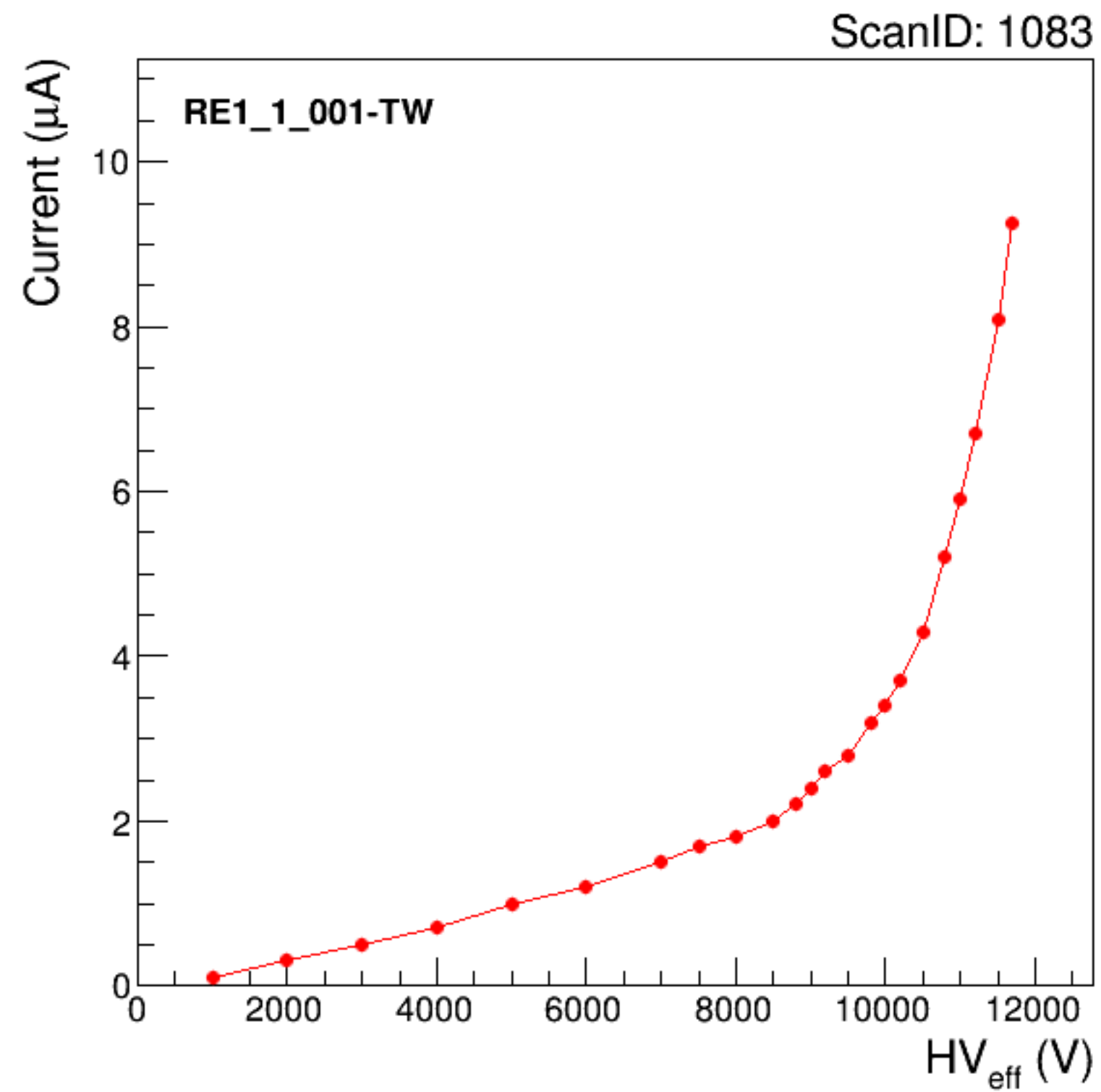
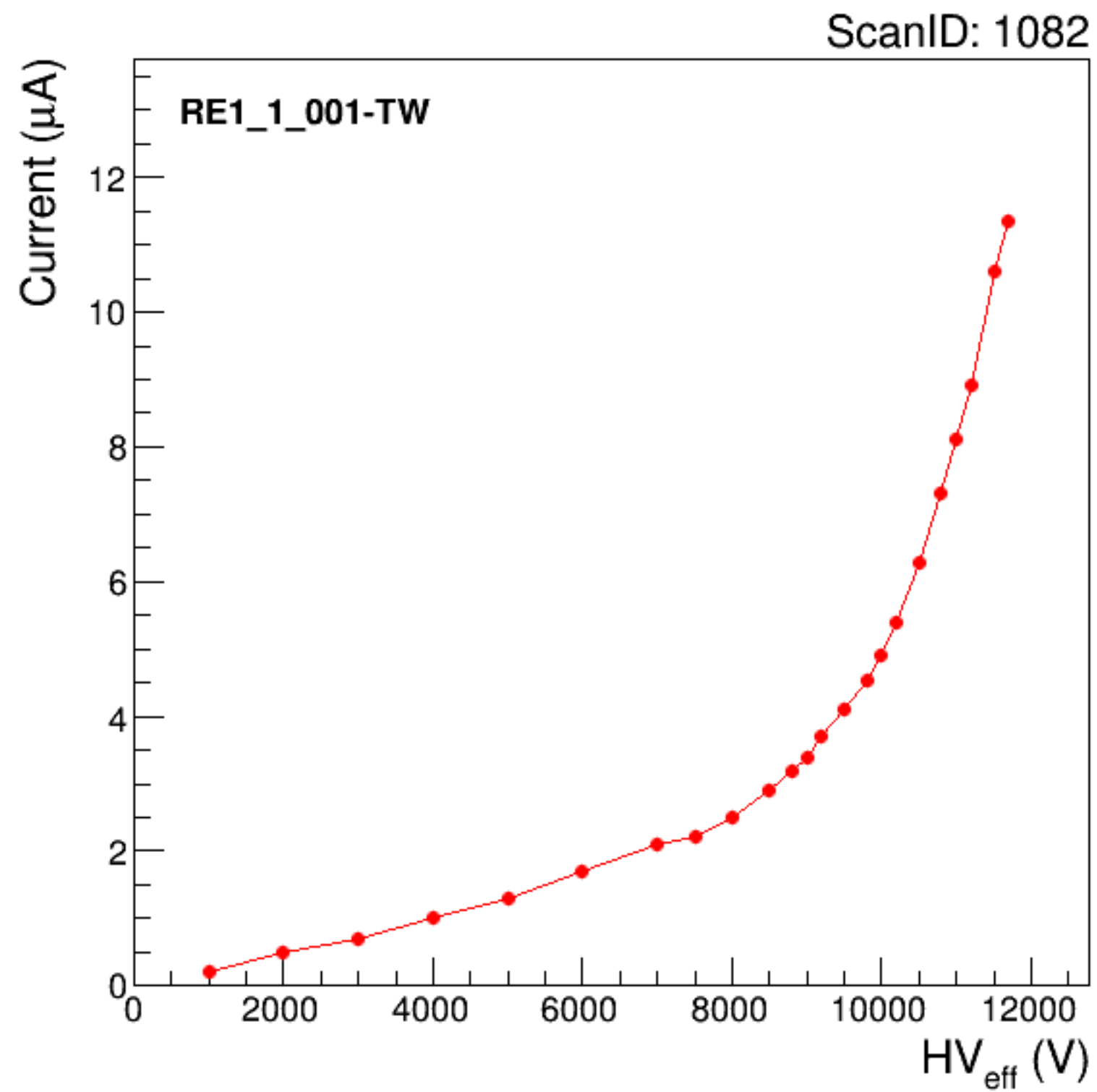


- In good agreement with past scan

RE1_1_001-TW

Last week scan

This week scans

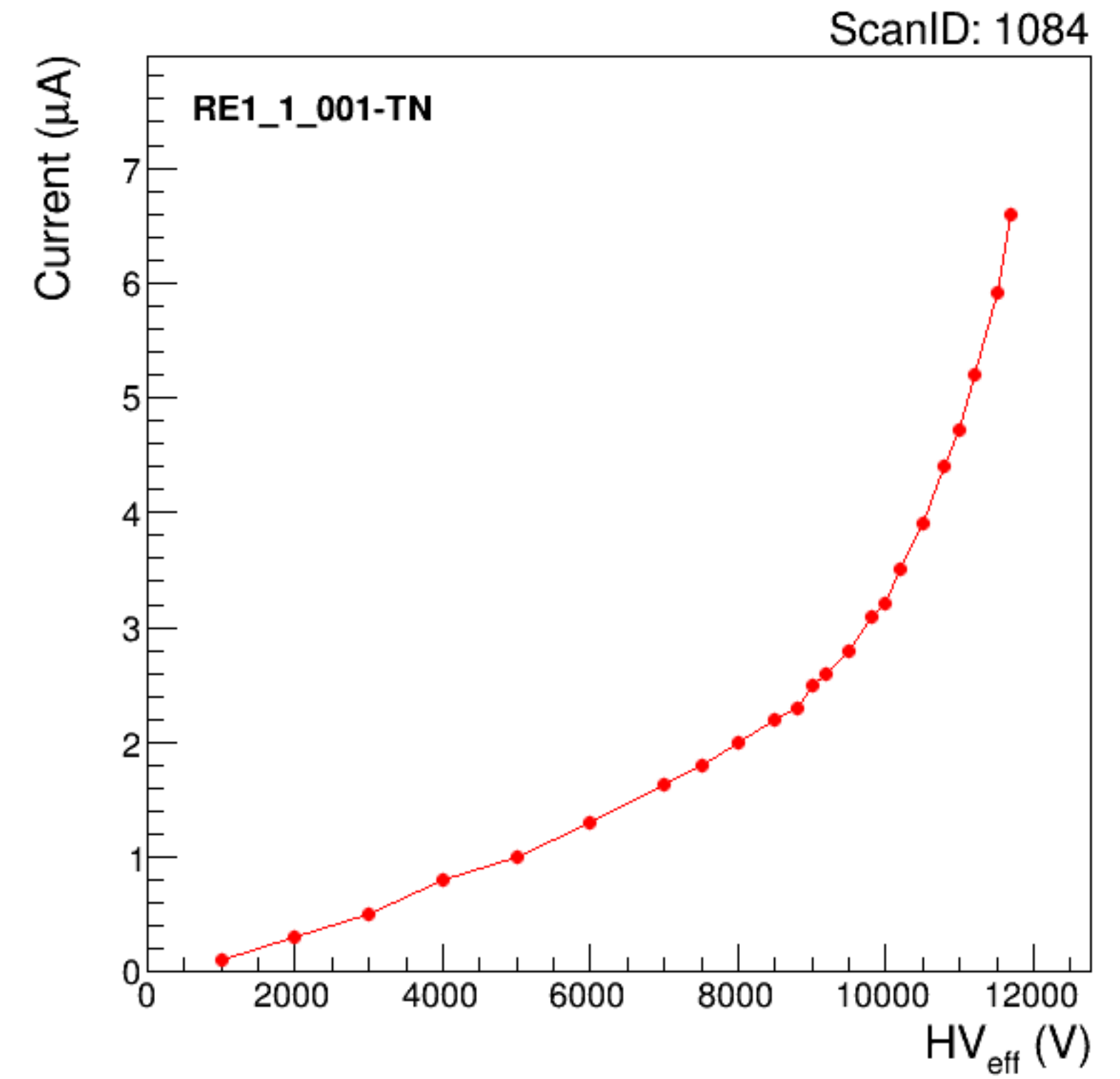
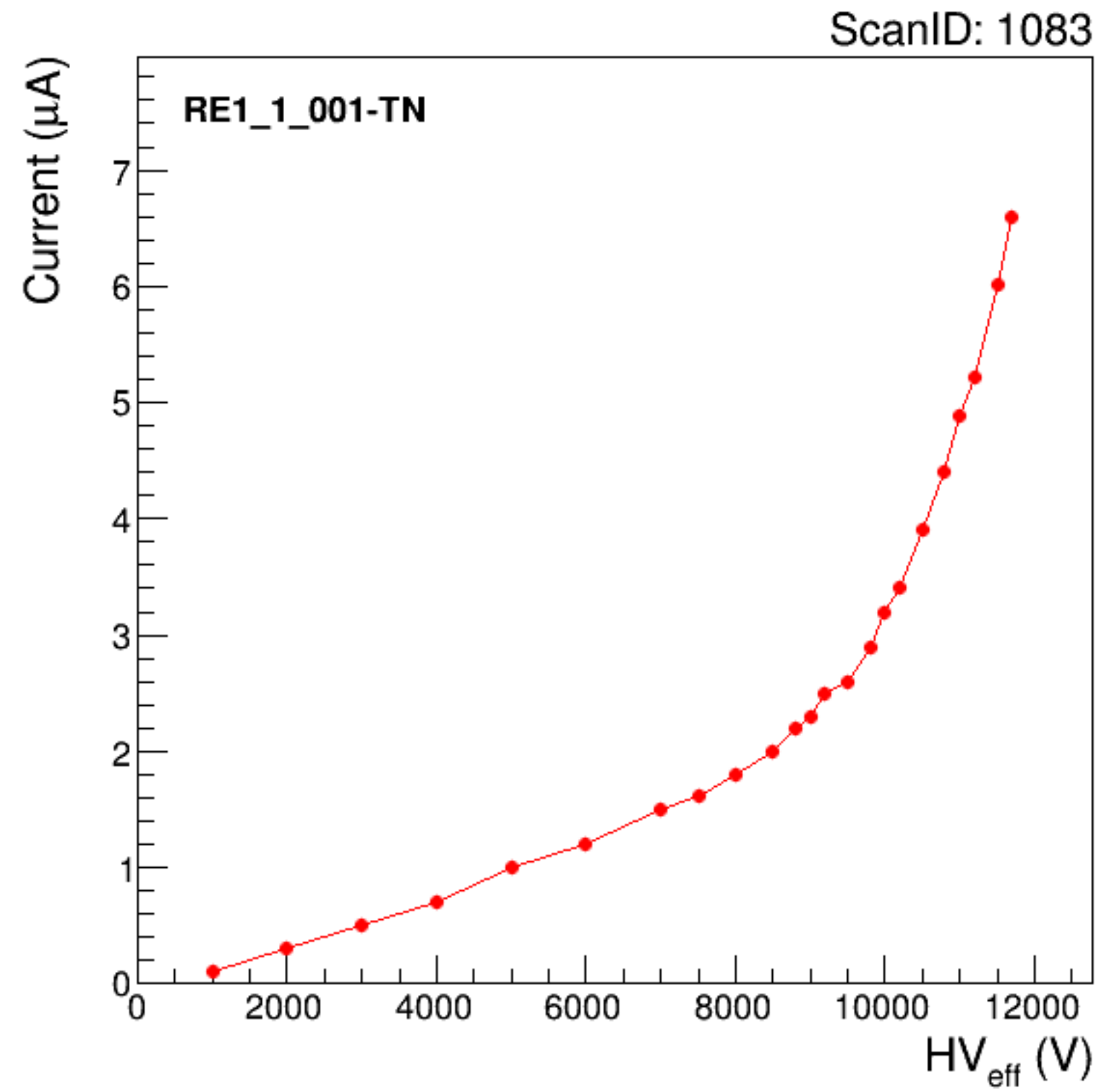
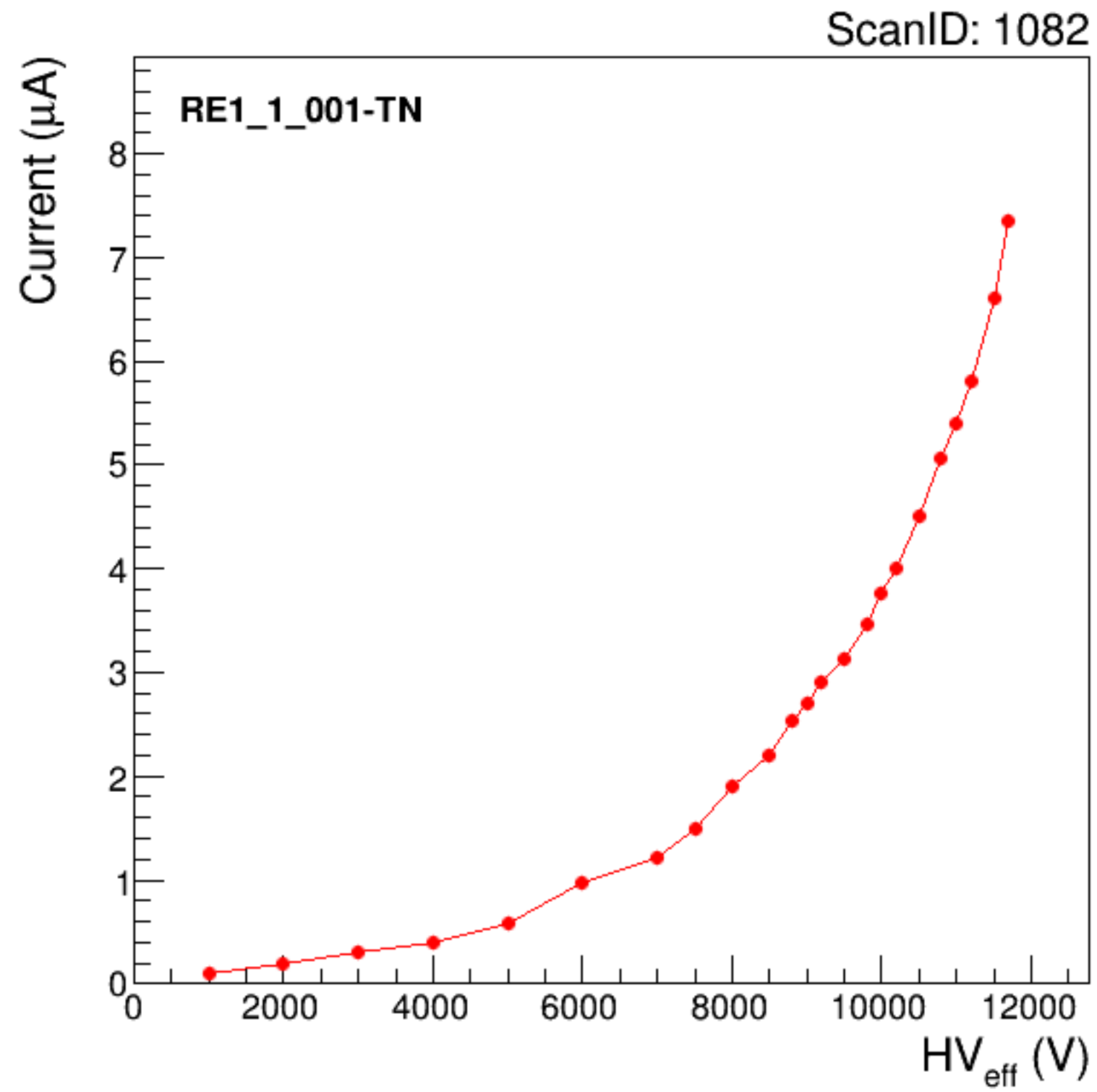


- In good agreement with past scan

RE1_1_001-TN

Last week scan

This week scans

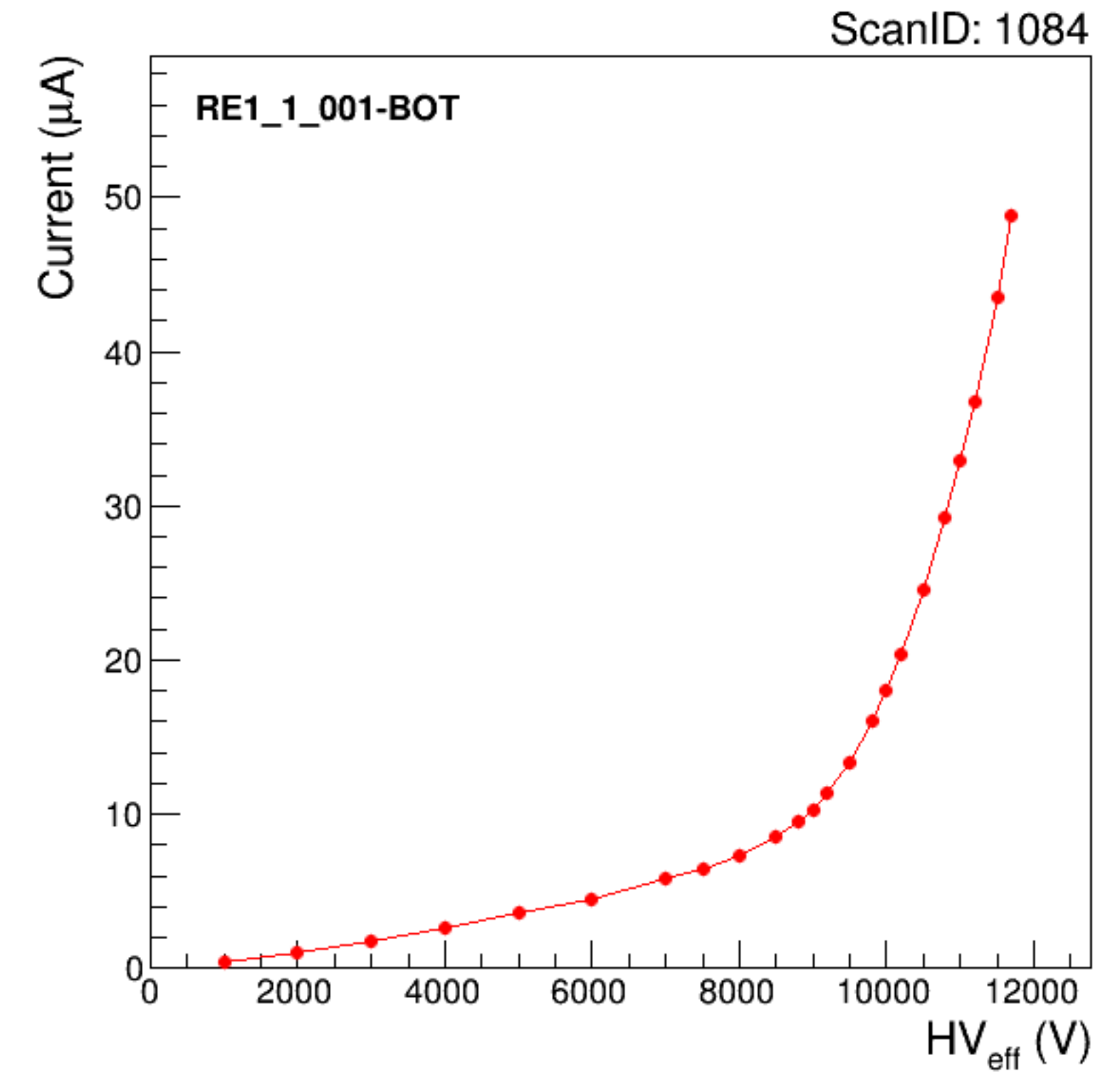
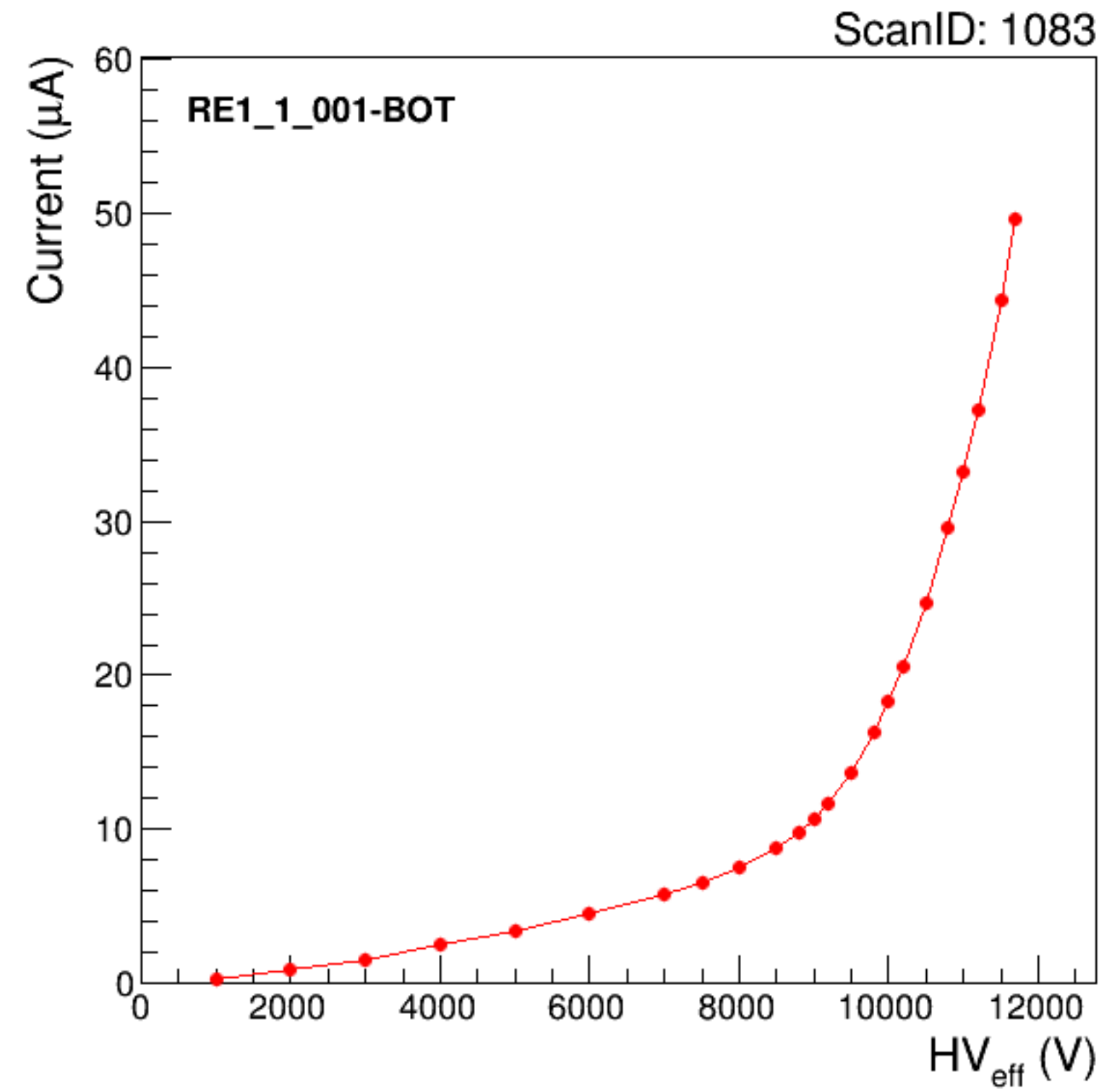
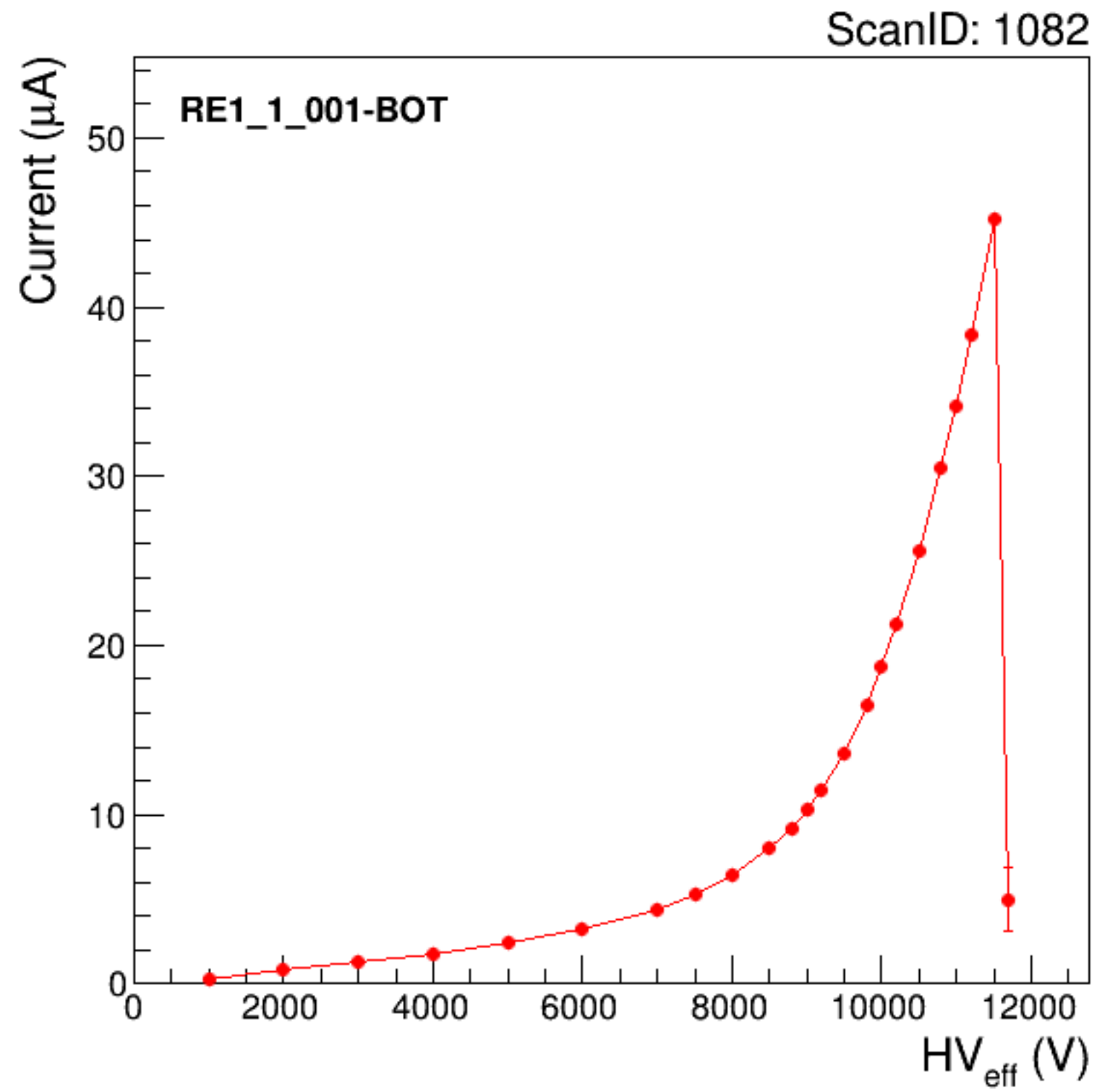


- In good agreement with past scan

RE1_1_001-BOT

Last week scan

This week scans

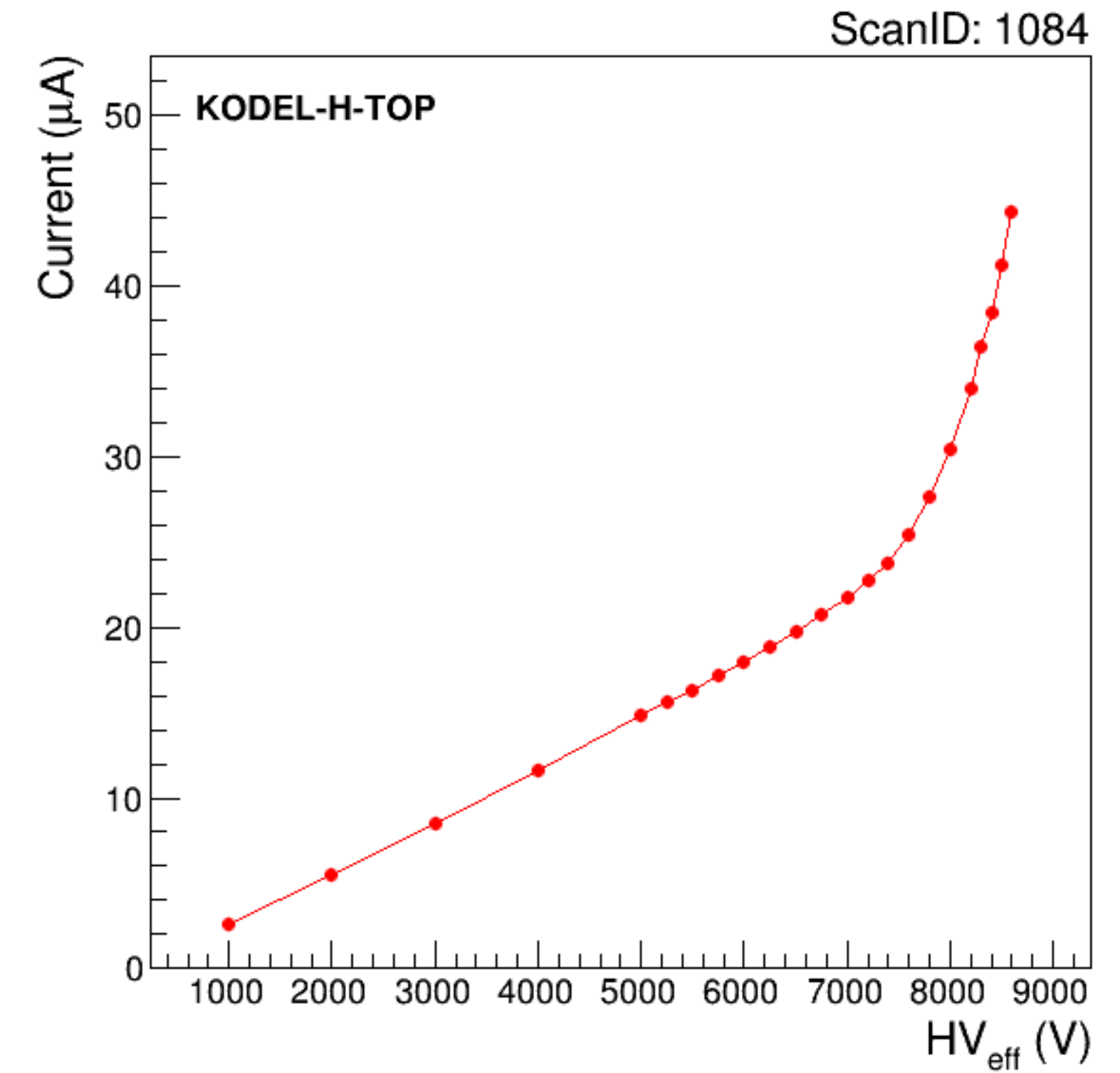
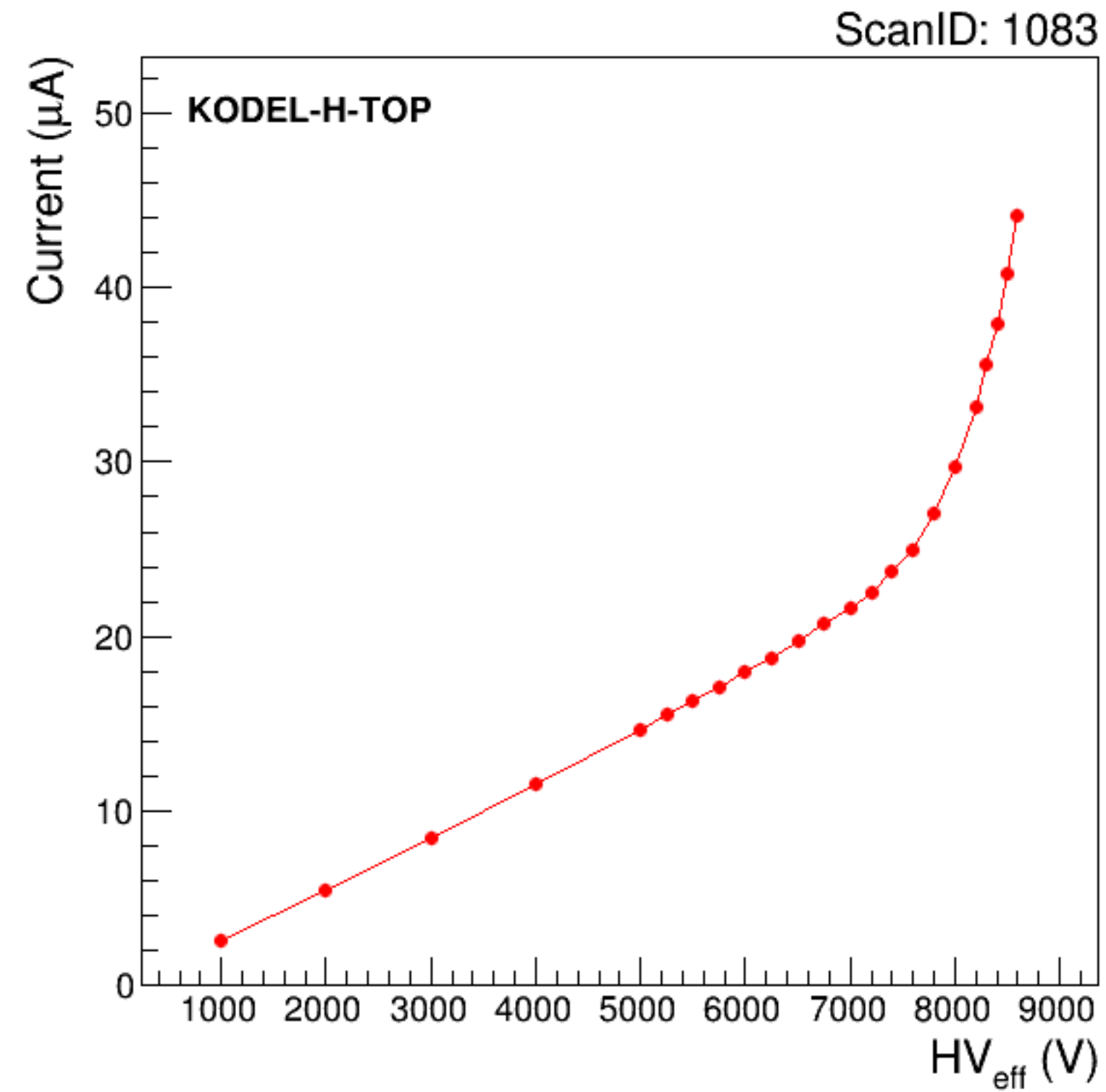
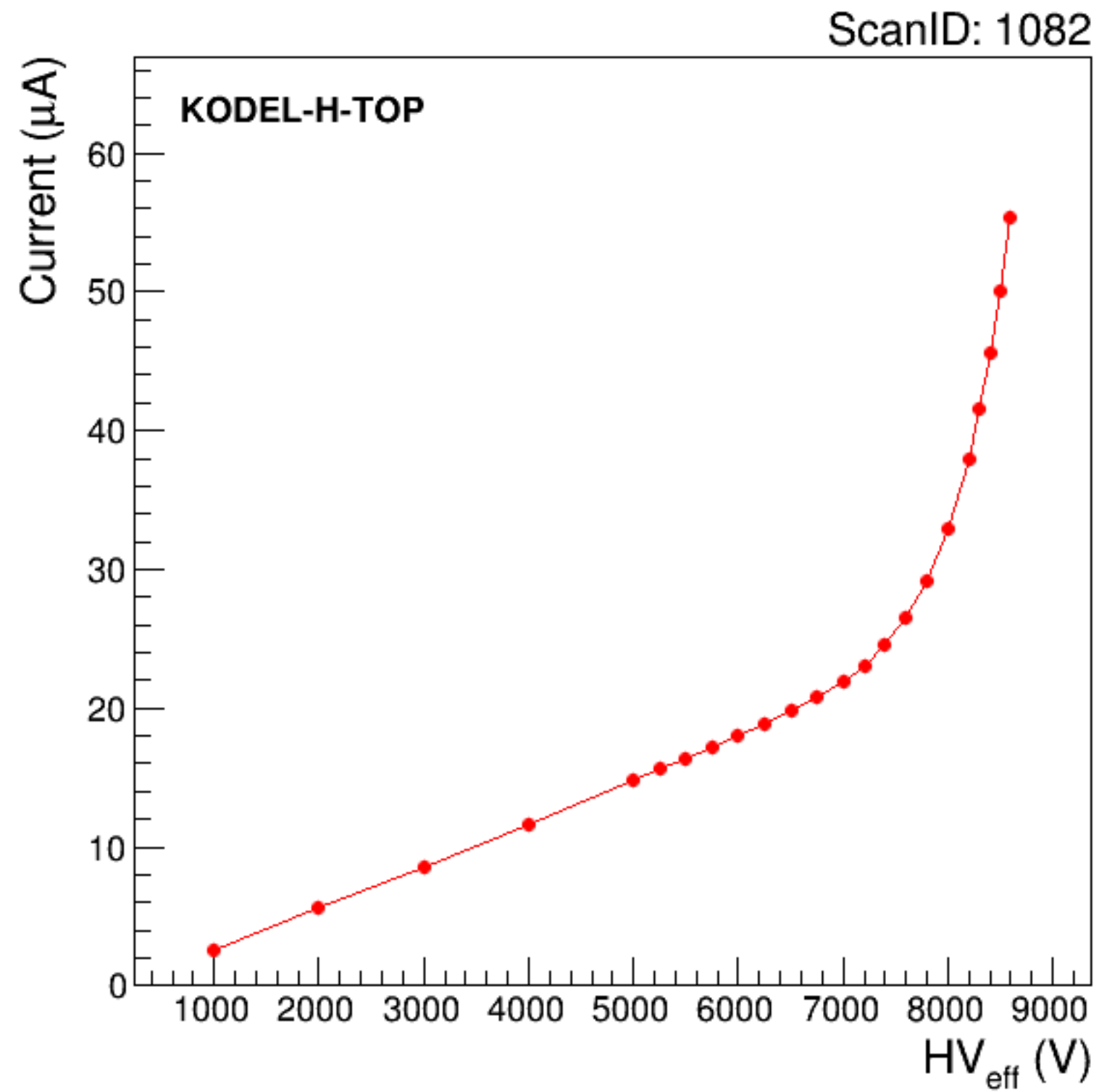


- In good agreement with past scan

KODEL-H-TOP

Last week scan

This week scans

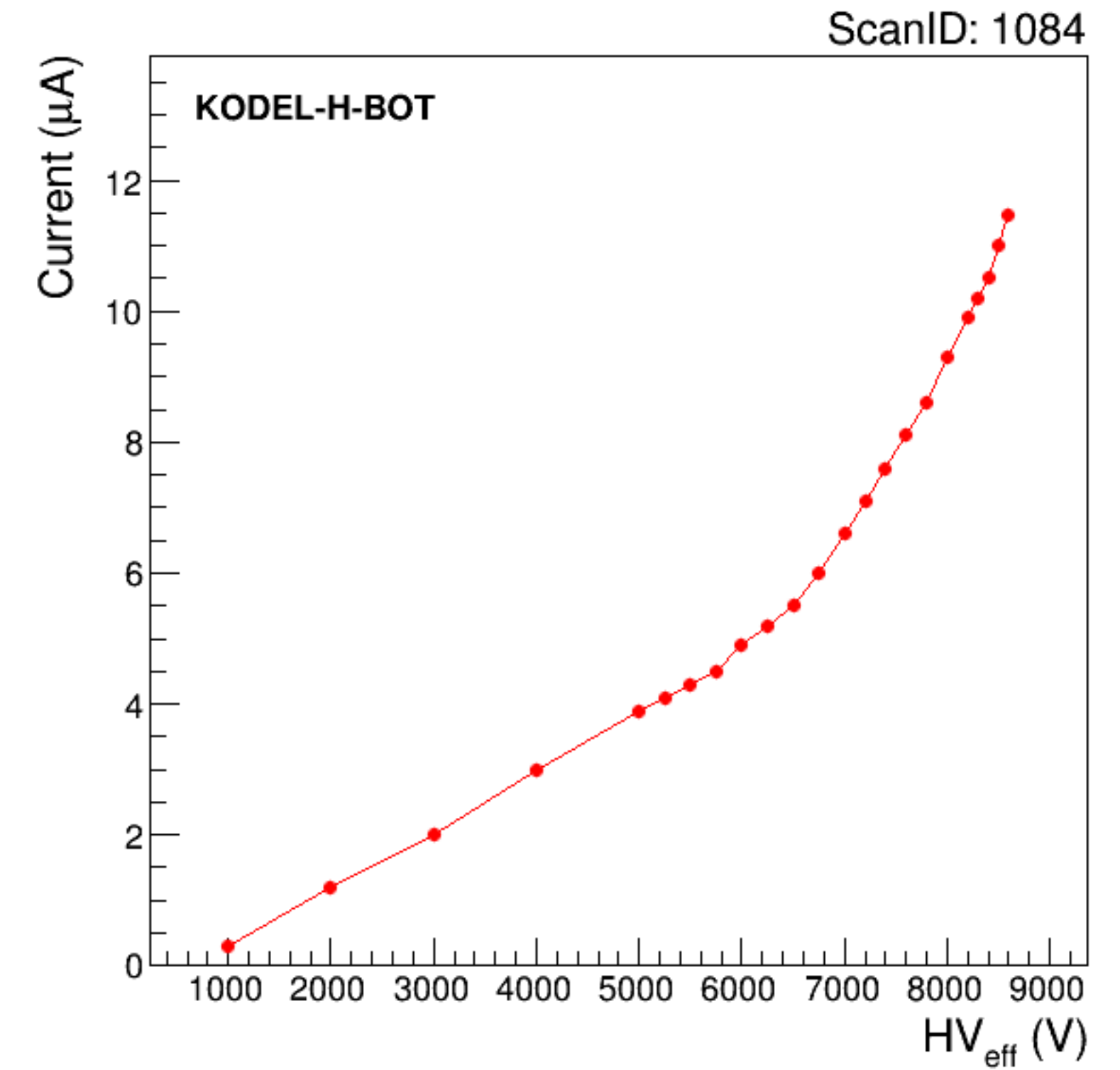
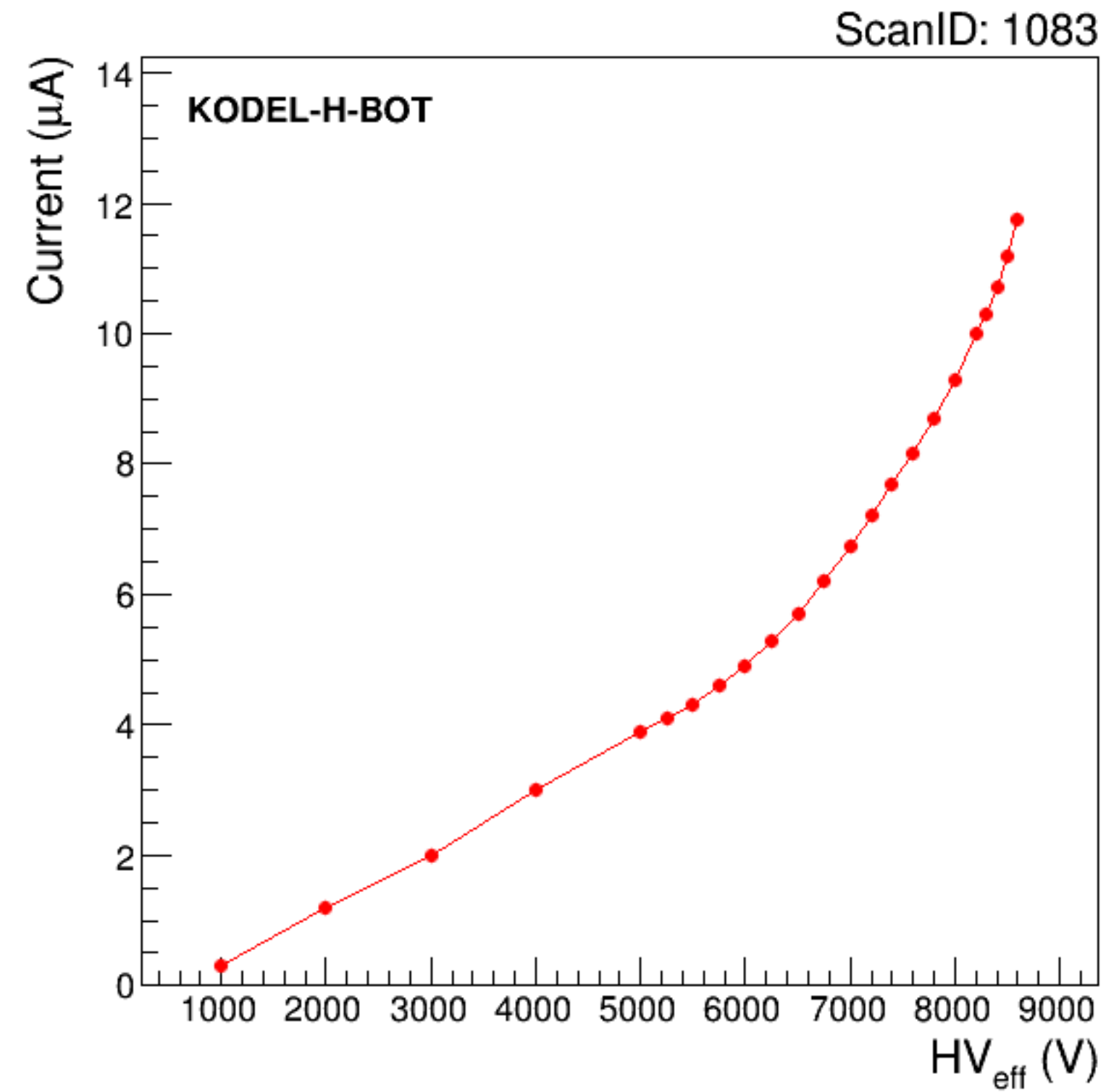
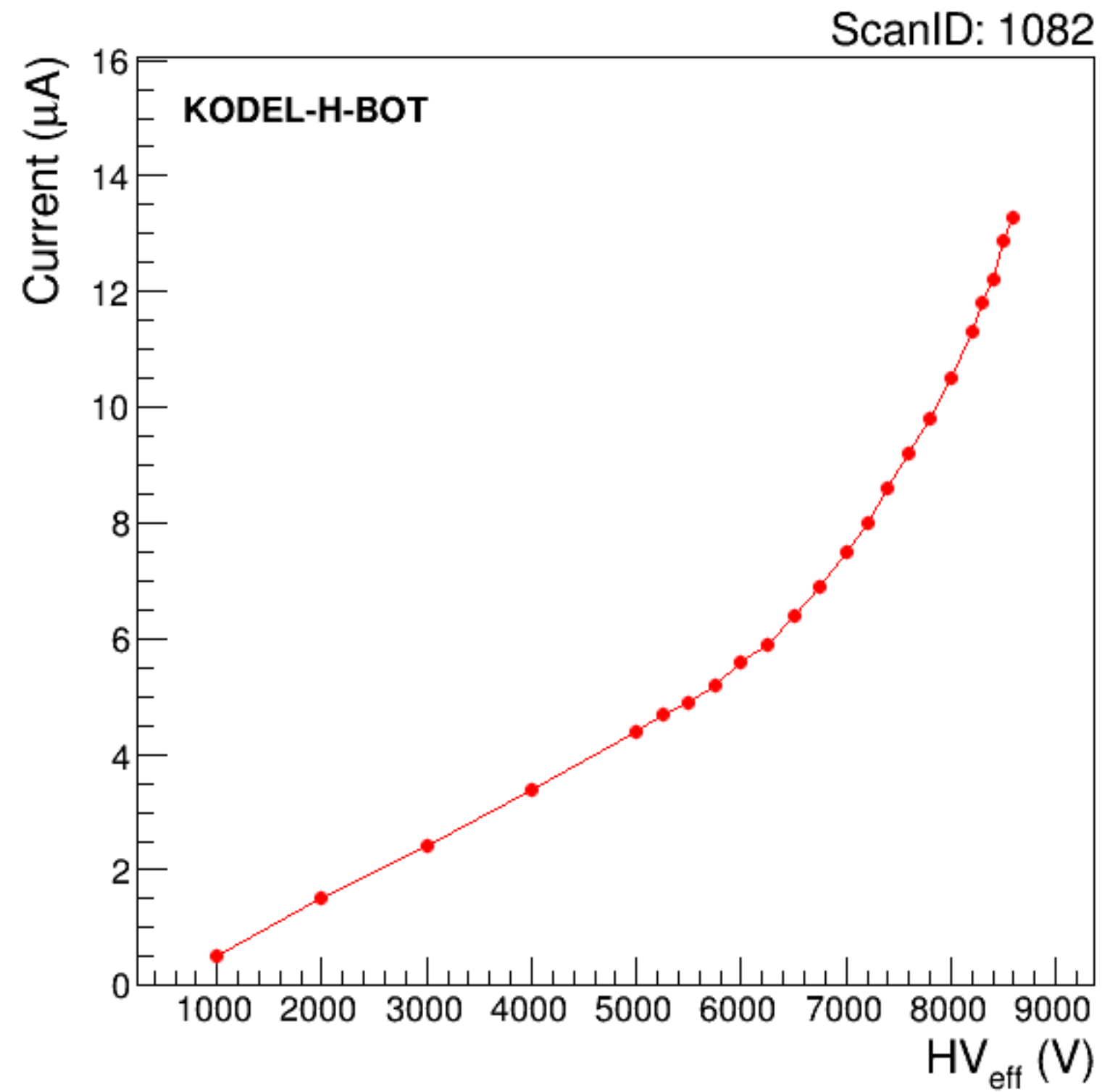


- Ohmic current seems to be the same - 10 μA less at 8600 V

KODEL-H-BOT

Last week scan

This week scans



- In good agreement with past scan

Instructions for the next shifter

- All chambers to be included, but ATLAS
 - Use template 280 for the stability run (KODEL applied voltage and i0 limits to be changed manually)
 - Use template 1084 for the HV scans (changed RE11-BOT I0 from 60 uA to 80 uA for the source OFF scan to avoid channel trip)

Stability - Run ID 0280

Summary	Run config	Log file	Monitoring	Plots	ALICE-2-1	▼
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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"/>	<input type="text" value="1 (111)"/> ▼
EPDT-RPC25	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="300"/>	<input type="text" value="1 (111)"/> ▼
SHIP-1-6	<input checked="" type="checkbox"/>	<input type="text" value="8800"/>	<input type="text" value="5000"/>	<input type="text" value="150"/>	<input type="text" value="1 (111)"/> ▼
RE1_1_001-BOT	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="60"/>	<input type="text" value="1 (111)"/> ▼
RE1_1_001-TN	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>	<input type="text" value="1 (111)"/> ▼
RE1_1_001-TW	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>	<input type="text" value="1 (111)"/> ▼
KODEL-H-BOT	<input checked="" type="checkbox"/>	<input type="text" value="6000"/>	<input type="text" value="5000"/>	<input type="text" value="50"/>	<input type="text" value="1 (111)"/> ▼
KODEL-H-TOP	<input checked="" type="checkbox"/>	<input type="text" value="6000"/>	<input type="text" value="5000"/>	<input type="text" value="100"/>	<input type="text" value="1 (111)"/> ▼