

# RPC eco-gas at GLF++ Weekly report

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# Stability run 298

## (screenshot updated at Monday afternoon)



- Observed a slight reduction of current, likely due to a ~15 mbar drop in atmospheric pressure over the past three days

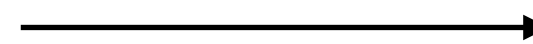


# Stability run 298

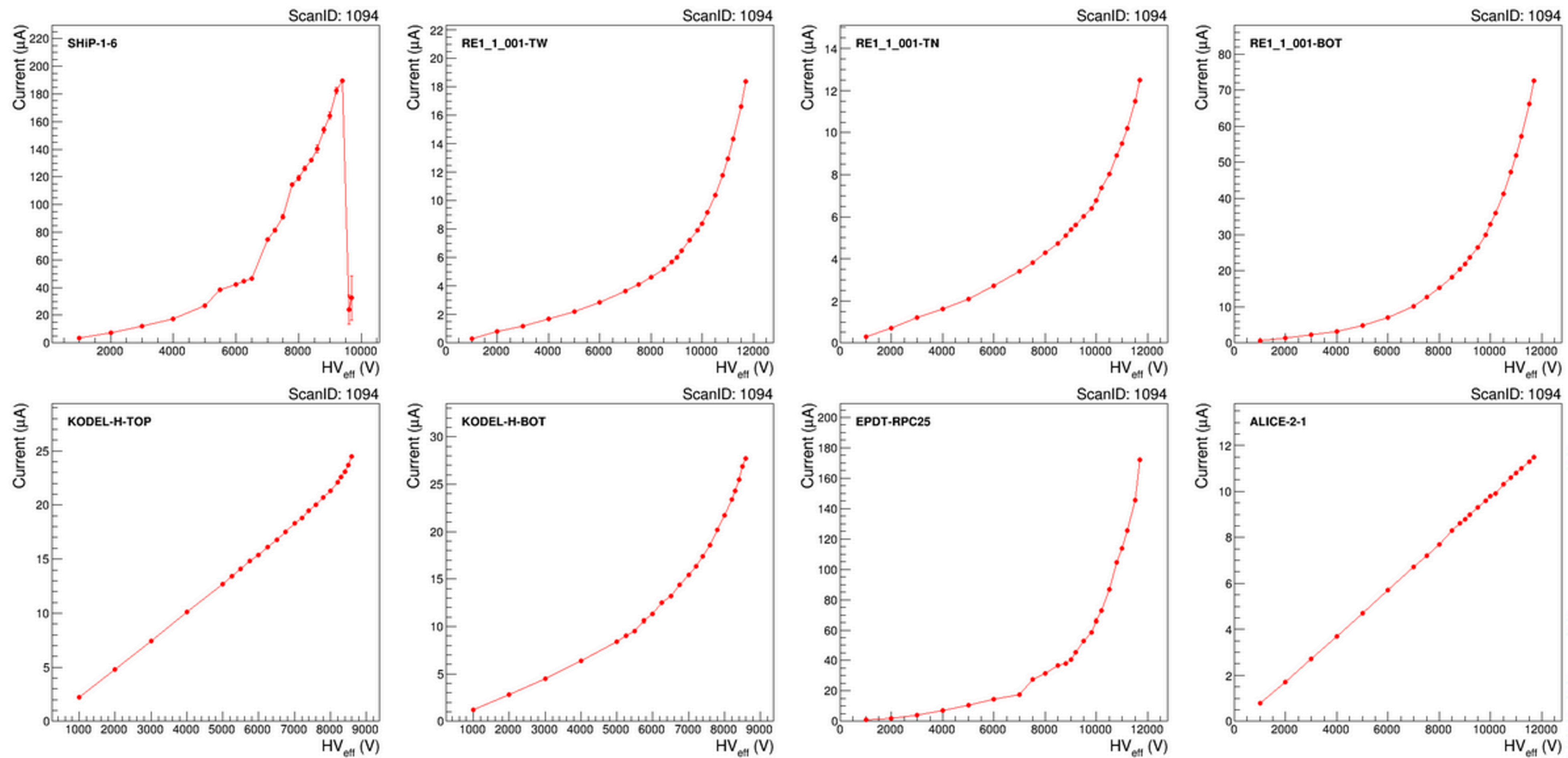
## (screenshot updated at Monday afternoon)



- Observed a slight reduction of current, likely due to a ~15 mbar drop in atmospheric pressure over the past three days

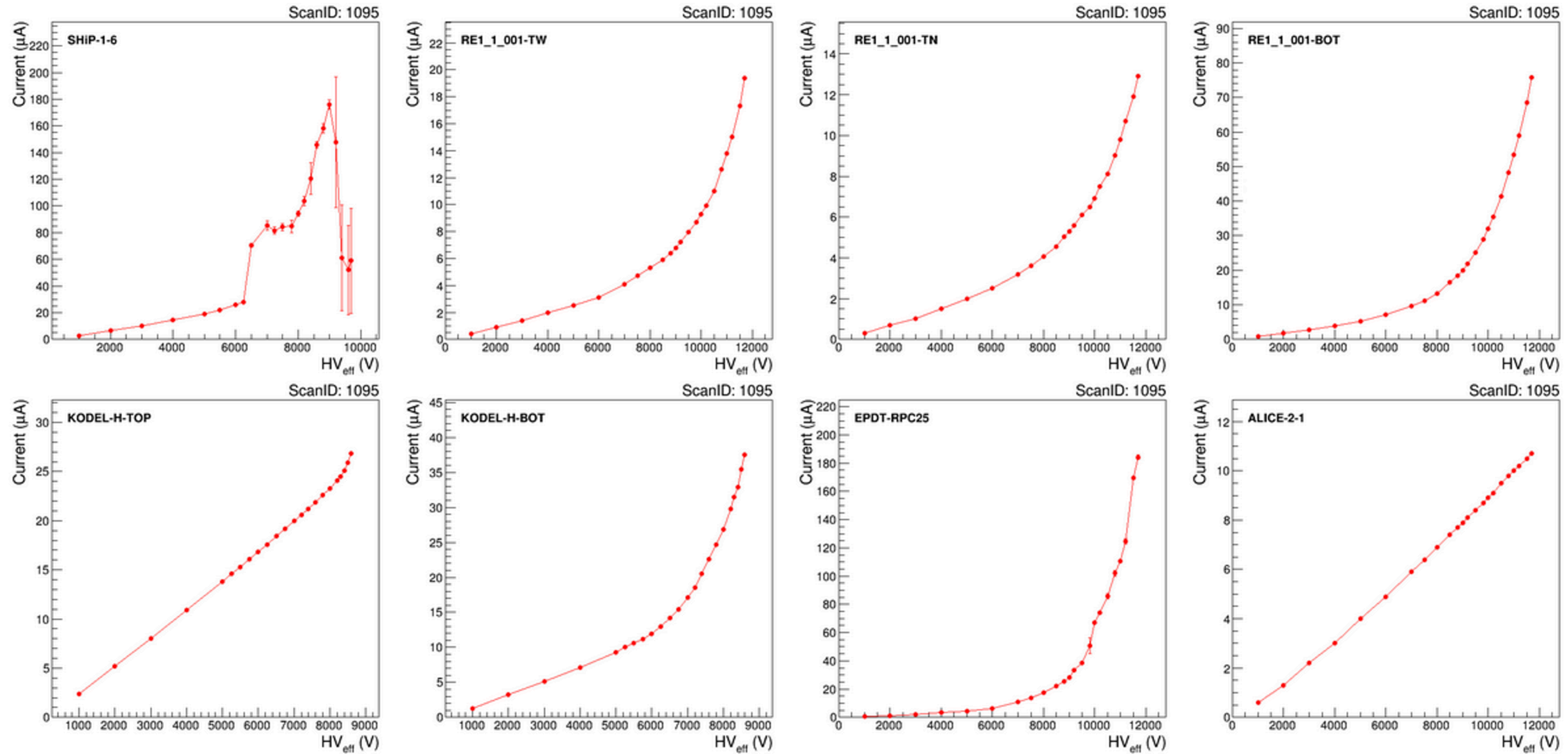


# HV scan 1094 (scan from the previous shift)



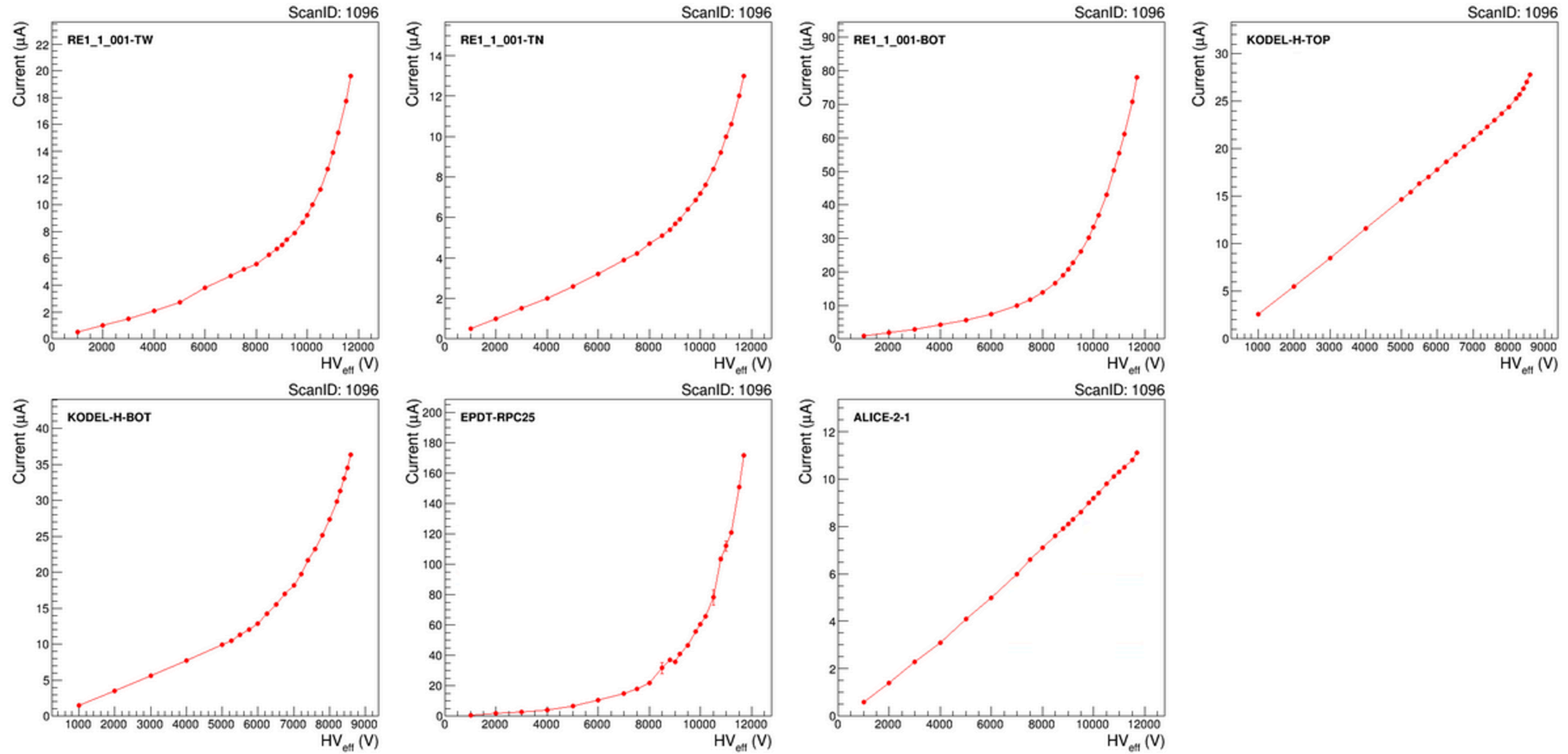


# HV scan 1095



- SHIP chamber current limit increased from 180  $\mu\text{A}$  to 220  $\mu\text{A}$  (in agreement with Alessandra), but not enough to complete the scan. Decided to exclude SHIP from the following HV scan
- The other chambers show similar behaviour w.r.t. HV scan 1094

# HV scan 10956



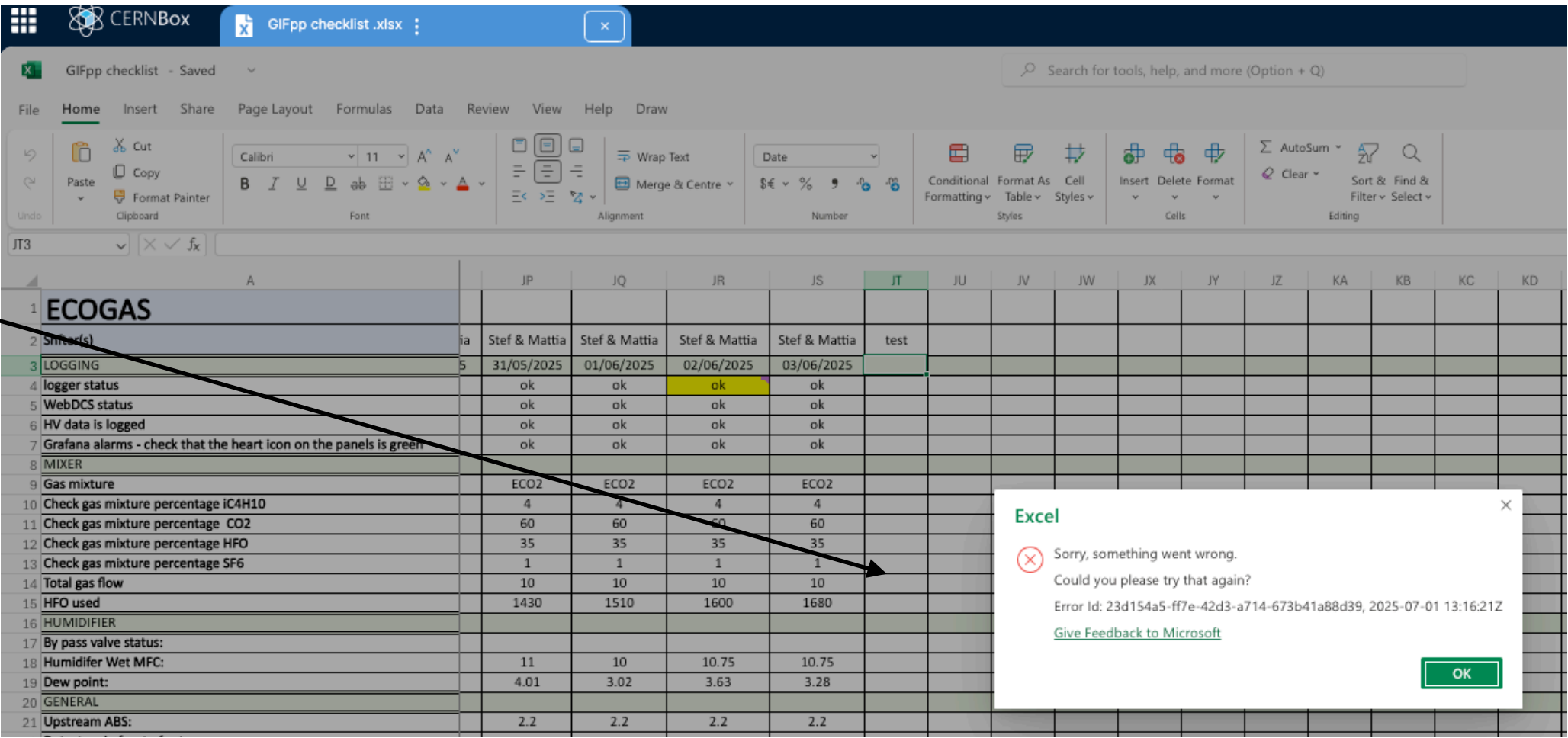
- SHIP chamber missing here

# Conclusions and instructions for the next shifter

- Smooth run in general
- I was not able to fill the checklist document - can be fixed?

## HV scan notes:

- for SHIP -> ask to Alessandra if include or not the detector
- For RE11 BOT -> need to change current limit from 60 uA to 80 uA



# Reference runs

## HVscan run registry

Scan ID	Scan type	Start time	Label	Status	#HV
<input type="text"/>	<input type="text" value="Select scan type"/>	<input type="text"/>	<input type="text" value="Select label"/>	<input type="text" value="Select status"/>	<input type="text"/>
001096	Current scan	2025-07-02 13:37	ECOGAS2	FINISHED	23

## Stability run registry

Run ID	Start time	End time/Last action	Duration	Comment	Status
0298	2025-07-02 22:42	2025-07-07 15:57	4 days, 17 hours, 14 minutes	Starting new stability run - Source ON - ECO2 gas mixture - ...	ONGOING