

# Shift report

01-07/04

Liliana Congedo and Alessandra Pastore

31/03 – 01/04



CAEN data



HV values were set to the standard values but the current limits were too low. Thus, the chambers were rumping up and then tripping continuously.

31/03 – 01/04

## Old run config:

Stability - Run ID 0078

Summary	Run config	Log file	Monitoring	Plots	CMS-GT-2-0-BOT ▼	
Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby	
CMS-GT-2-0-BOT	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="99"/>	1 (111) ▼	
CMS-GT-2-0-TOP	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="99"/>	1 (111) ▼	
CMS-KODEL_1-4-BOT	<input checked="" type="checkbox"/>	<input type="text" value="7400"/>	<input type="text" value="5000"/>	<input type="text" value="50"/>	1 (111) ▼	
CMS-KODEL_1-4-TOP	<input checked="" type="checkbox"/>	<input type="text" value="7400"/>	<input type="text" value="5000"/>	<input type="text" value="50"/>	1 (111) ▼	
EPDT-RPC6	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="99"/>	1 (111) ▼	

## Updated run config:

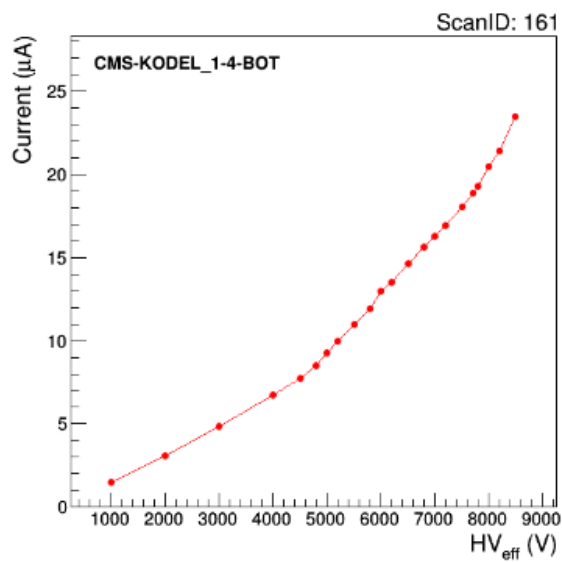
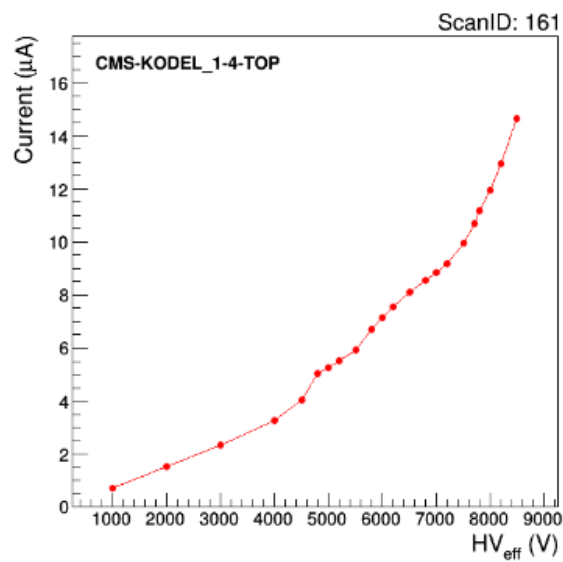
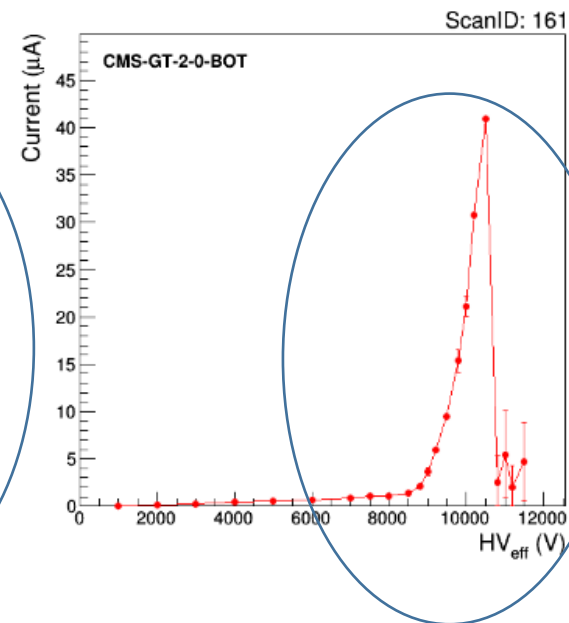
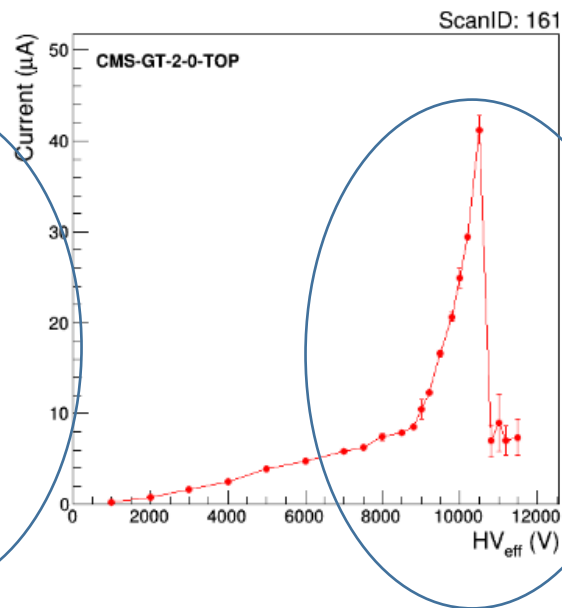
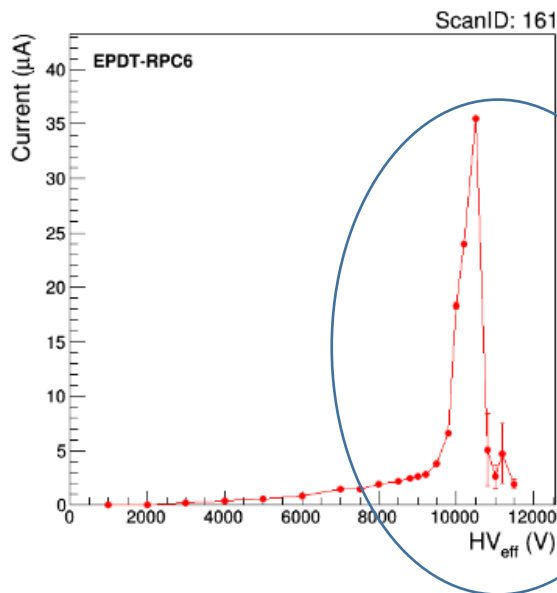
Stability - Run ID 0078

SummaryRun configLog fileMonitoringPlotsCMS-GT-2-0-BOT▼

Run configuration updated.

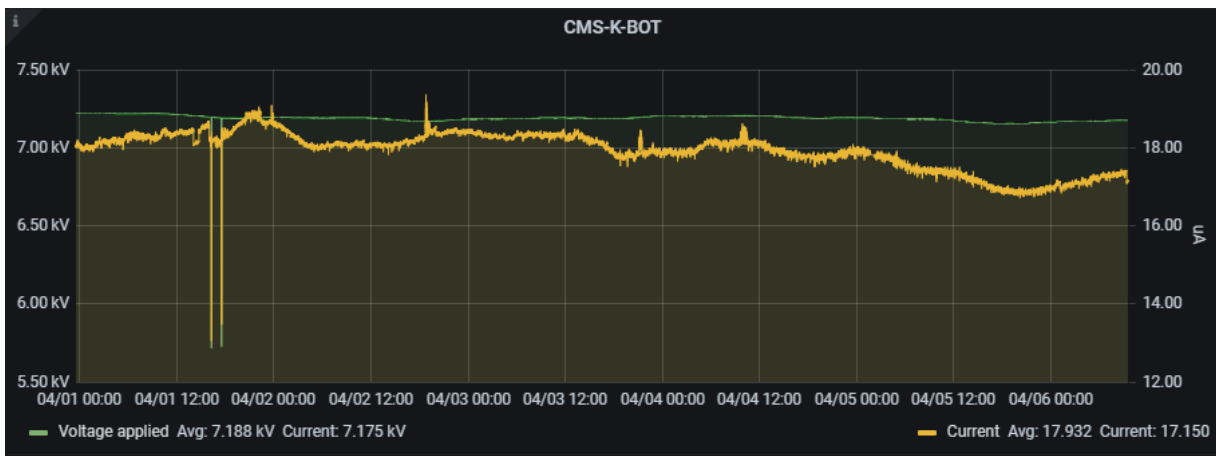
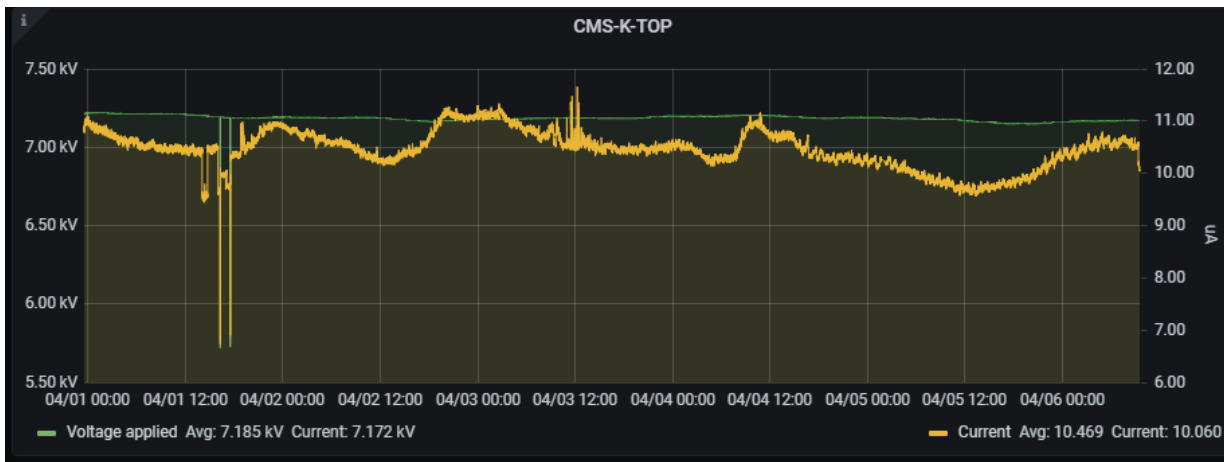
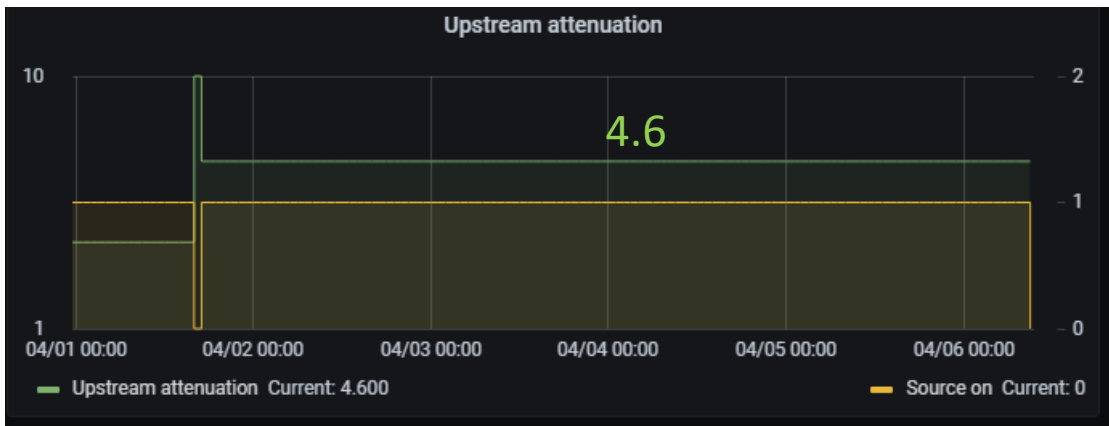
Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby
CMS-GT-2-0-BOT	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="250"/>	1 (111) ▼
CMS-GT-2-0-TOP	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="250"/>	1 (111) ▼
CMS-KODEL_1-4-BOT	<input checked="" type="checkbox"/>	<input type="text" value="7400"/>	<input type="text" value="5000"/>	<input type="text" value="90"/>	1 (111) ▼
CMS-KODEL_1-4-TOP	<input checked="" type="checkbox"/>	<input type="text" value="7400"/>	<input type="text" value="5000"/>	<input type="text" value="90"/>	1 (111) ▼
EPDT-RPC6	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="250"/>	1 (111) ▼

# HV scan 31/03/2021



Currents above i0 values  
with the old config!

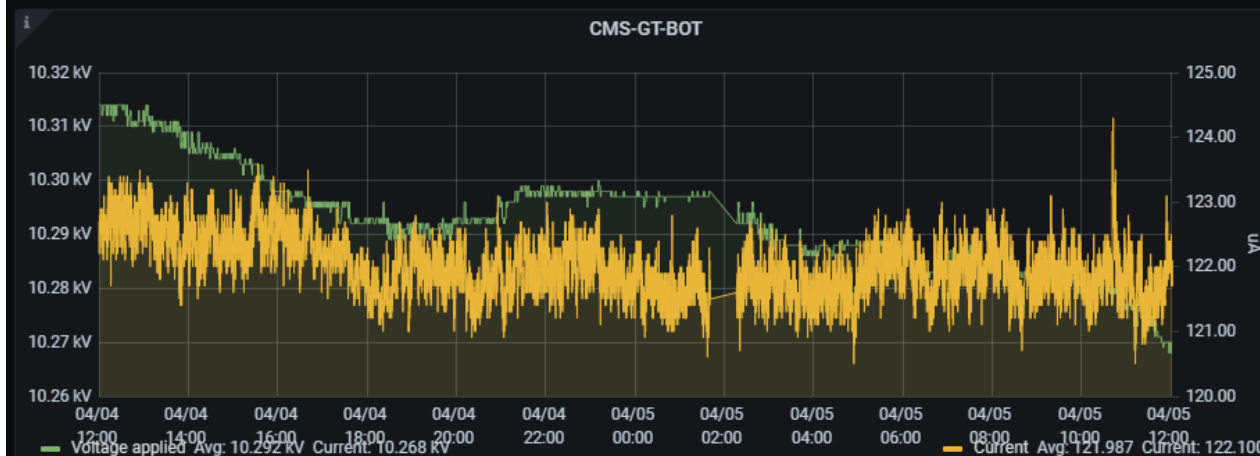
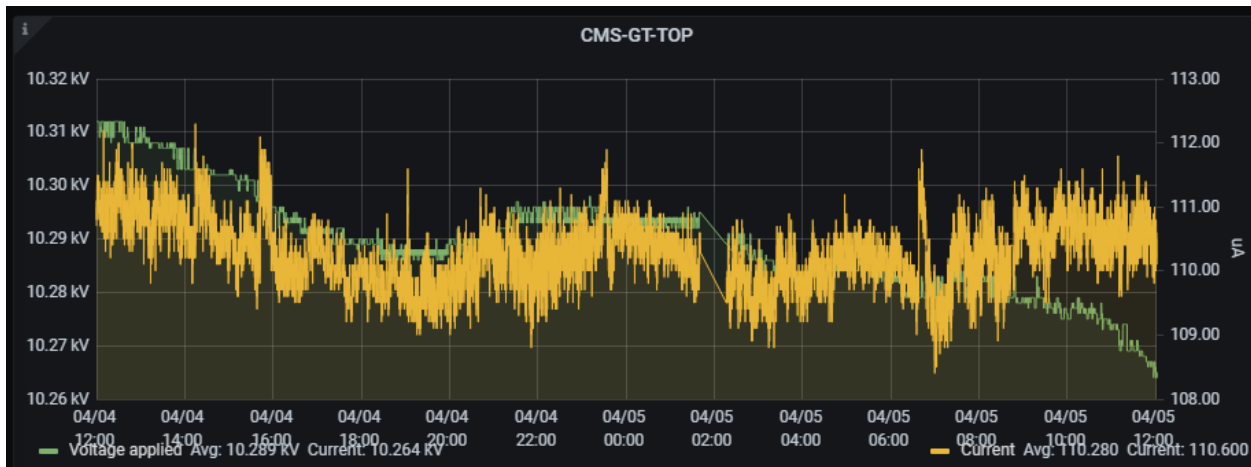
## Weekly stability run: currents



# Weekly stability run: currents

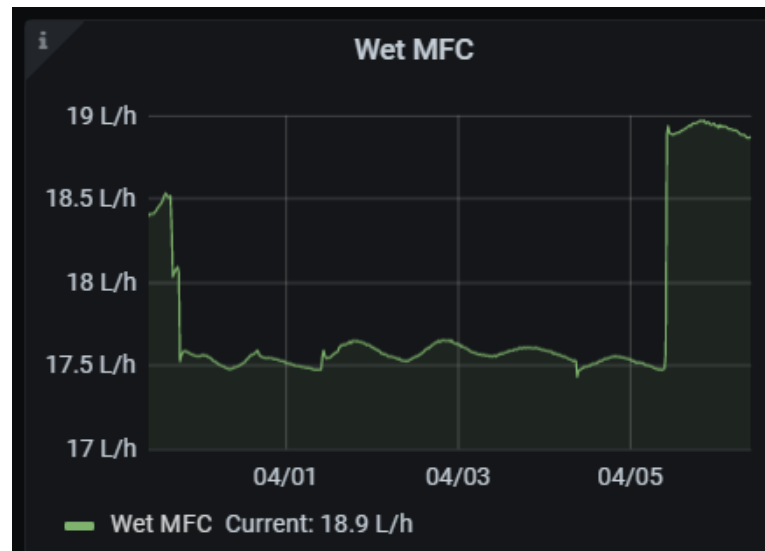
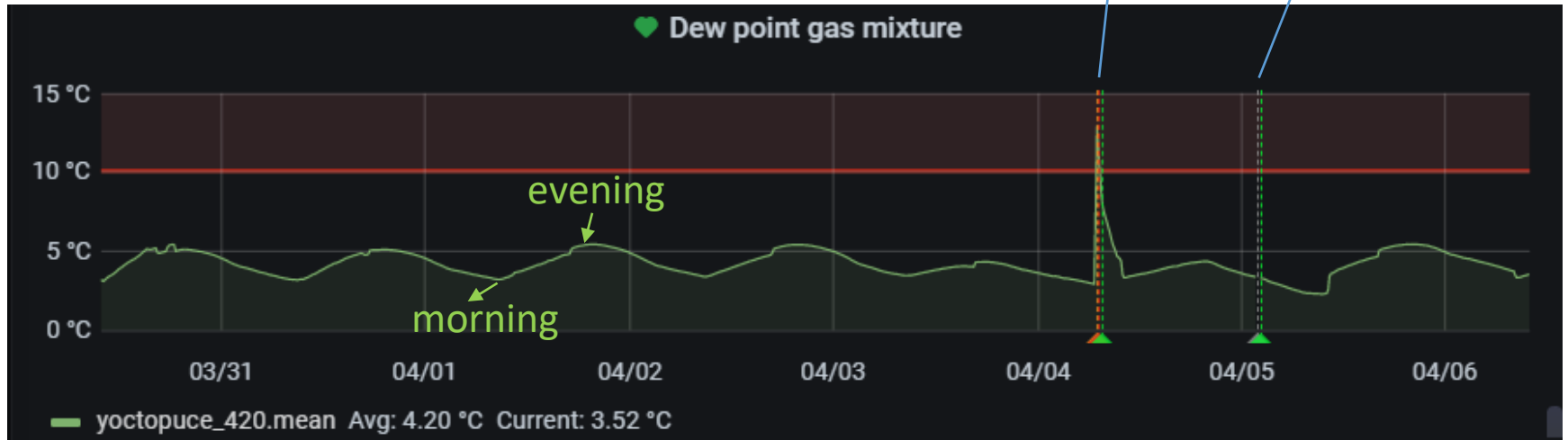


Weekly stability run:  
currents 04/04



Some current spikes (up to about 50 microA) happened for EPDT. HV was correspondingly fluctuating of about 100 V. The source and attenuation factor were stable. The CMS chambers current fluctuations were about 2uA.

## Dew Point





# Conclusions

- Run config has been updated;
- The source/attenuation status was stable. Correspondingly, CMS chambers current fluctuations were up to a few  $\mu\text{A}$  while some current spikes (up to about 50  $\mu\text{A}$ ) happened for EPDT;
- Dew point oscillated between  $\sim 3^\circ\text{C}$  and  $\sim 5^\circ\text{C}$ , with a Sunday peak (above  $10^\circ\text{C}$ );
- Now the source is off and an HV scan could be performed if everyone agrees.

Thank you!