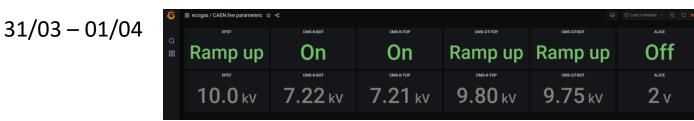
# Shift report 01-07/04

Liliana Congedo and Alessandra Pastore

#### 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 continuosly.

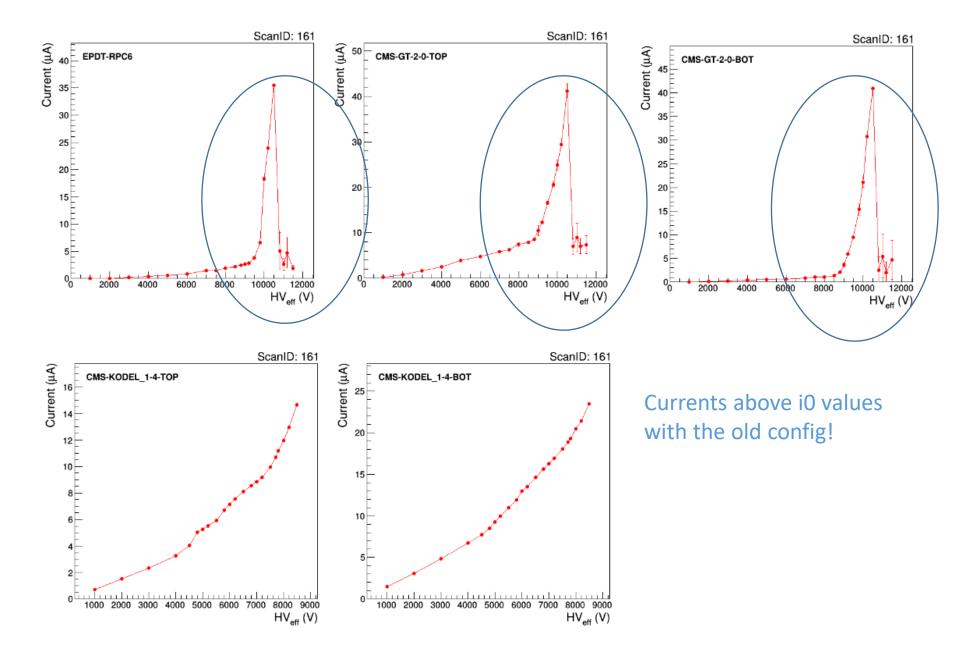
### 31/03 - 01/04

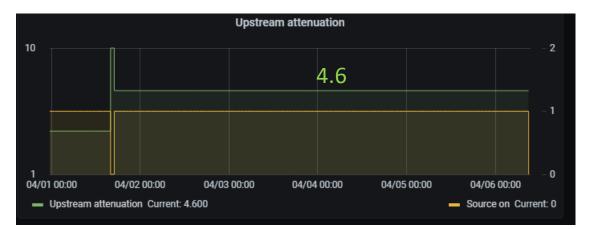
### Old run config:

Stability - Run ID 0078

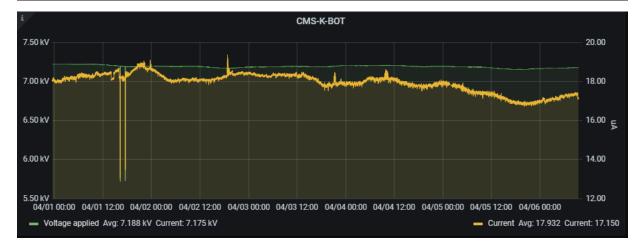
Summary Run config	Log file Mo	onitoring Plots		$\frown$	CMS-GT-2-0-BOT
Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby
CMS-GT-2-0-BOT		10600	6500	99	1 (111) 🗸
CMS-GT-2-0-TOP		10600	6500	99	1 (111) 🗸
MS-KODEL_1-4-BOT		7400	5000	50	1 (111) 🗸
MS-KODEL_1-4-TOP		7400	5000	50	1 (111) 🗸
PDT-RPC6		10600	6500	99	1 (111) 🗸
•		onitoring Plots			CMS-GT-2-0-BOT
Updated run ( Stability - Run ID 0078 Summary Run config Run configuration updated.		onitoring Plots			CMS-GT-2-0-BOT
Summary Run config		onitoring Plots			CMS-GT-2-0-BOT
tability - Run ID 0078 Summary Run config		onitoring Plots Working voltage (V)	Standby voltage (V)	i0 (uA)	CMS-GT-2-0-BOT
tability - Run ID 0078 Summary Run config Run configuration updated.	Log file Ma		Standby voltage (V) 6500	i0 (uA) 250	
tability - Run ID 0078 Summary Run config Run configuration updated.	Log file Mo	Working voltage (V)			Attenuator standby
tability - Run ID 0078 Summary Run config Run configuration updated. Chamber/gap CMS-GT-2-0-BOT	Log file Mo Enabled	Working voltage (V)	6500	250	Attenuator standby
tability - Run ID 0078 Summary Run config Run configuration updated. Chamber/gap CMS-GT-2-0-BOT CMS-GT-2-0-TOP	Log file Mo Enabled	Working voltage (V) 10600 10600	6500 6500	250 250	Attenuator standby 1 (111)  1 (111)

#### HV scan 31/03/2021



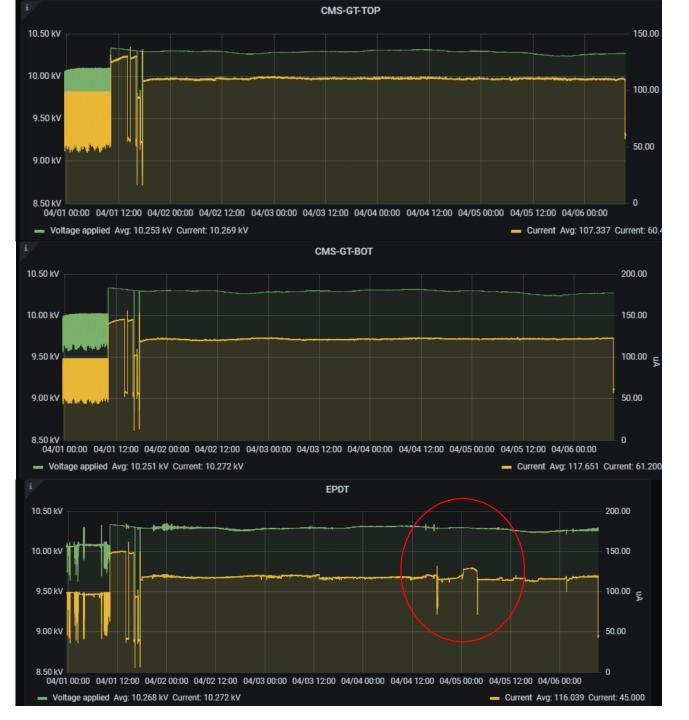


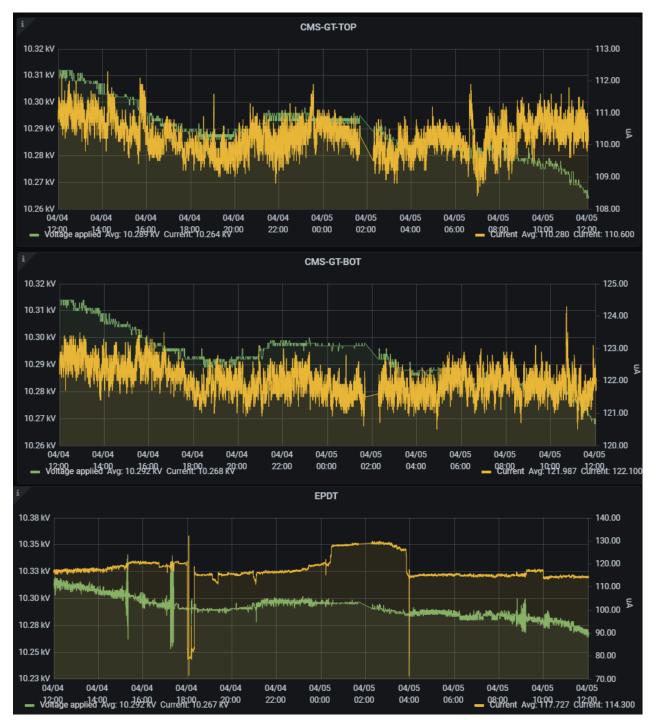
#### CMS-K-TOP 7.50 kV 12.00 11.00 1444 7.00 kV monan 10.00 6.50 kV 9.00 Ę 8.00 6.00 kV 7.00 5.50 kV 6.00 04/01 00:00 04/01 12:00 04/02 00:00 04/02 12:00 04/03 00:00 04/03 12:00 04/04 00:00 04/04 12:00 04/05 00:00 04/05 12:00 04/06 00:00 - Voltage applied Avg: 7.185 kV Current: 7.172 kV Current Avg: 10.469 Current: 10.060



Weekly stability run: currents

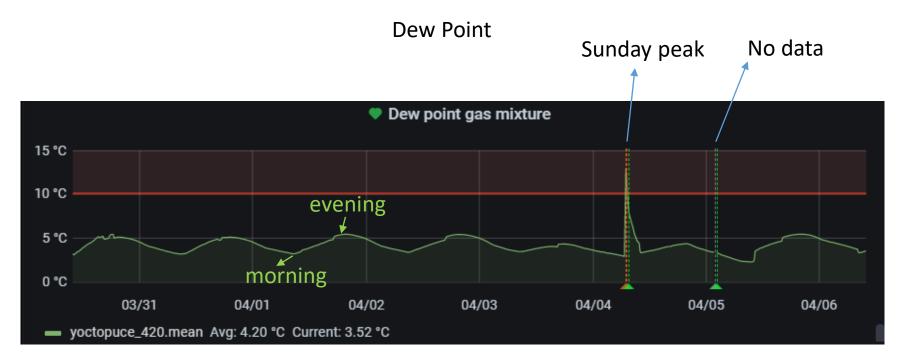
Weekly stability run: currents

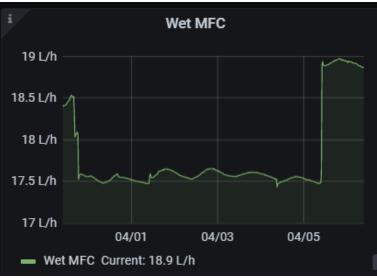




Weekly stability run: currents 04/04

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.





## Conclusions

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

Thank you!