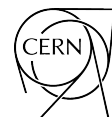


# ECOGAS status of the system

G. Rigoletti



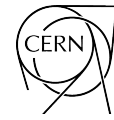
EP-DT  
Detector Technologies



# Done

- SF6 mass flow controlled recalibrated and installed back in the system:  
<https://rpcecogas.web.cern.ch/rpcecogaselog/78>
- Start of the system with standard gas mixture:  
<https://rpcecogas.web.cern.ch/rpcecogaselog/76>
- HV scan performed with standard gas mixture:  
<https://rpcecogas.web.cern.ch/rpcecogaselog/77>

# Results HV scan

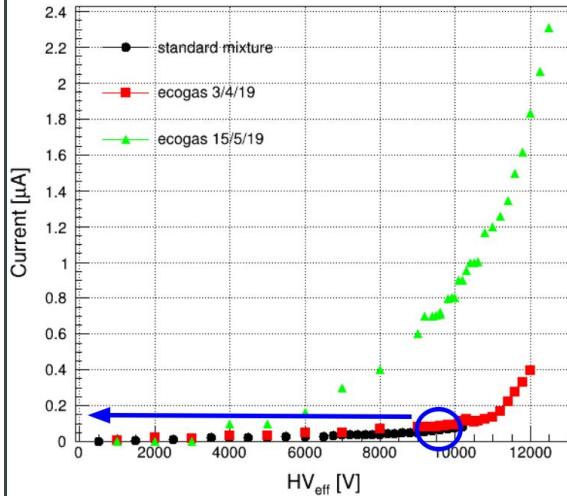


- Results not directly available this week  
(GIF shutdown and web server at GIF)

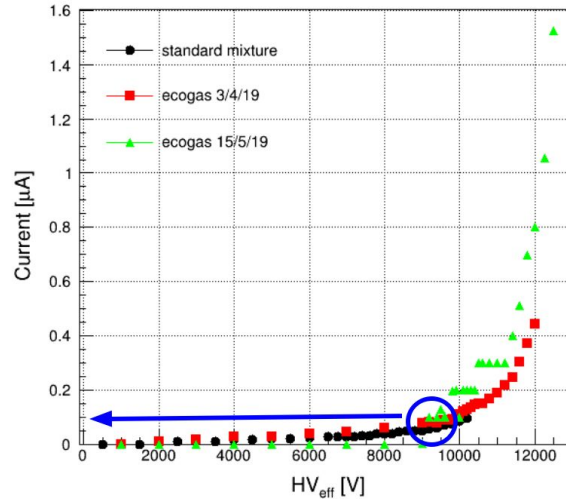
*First STD mixture scans performed by Andrea*

- CMS-GT  $\sim 0.1 \mu\text{A}$
- CMS-K  $\sim 0.5 \mu\text{A}$

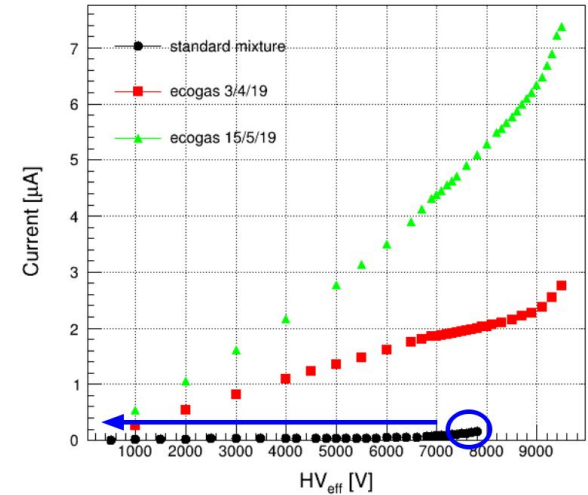
CMS-GT-2-0-BOT



CMS-GT-2-0-TOP



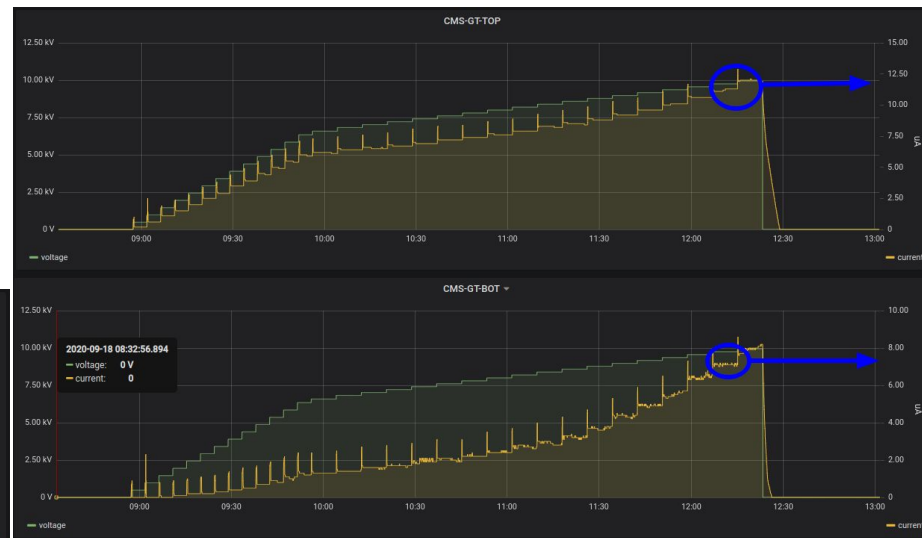
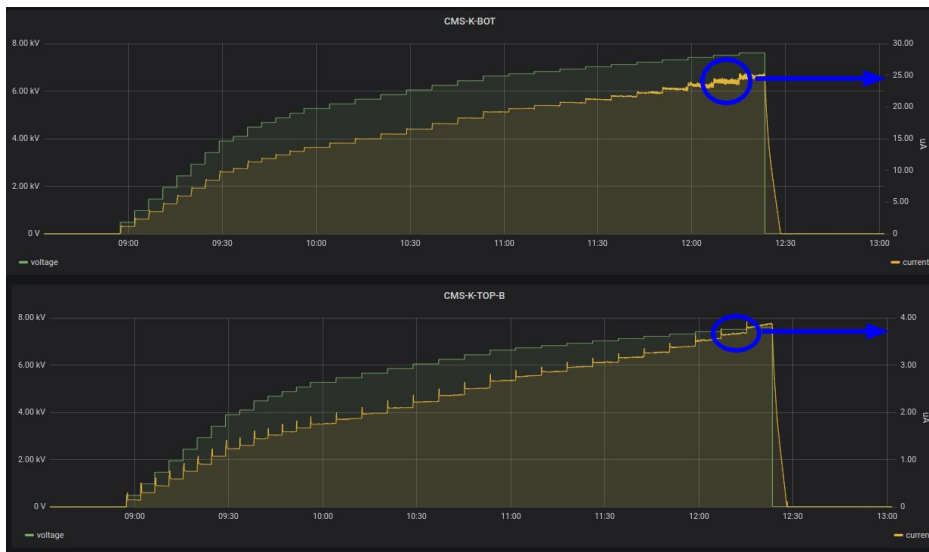
CMS-KODEL\_1-4-BOT



# Results HV scan



- From Grafana we can see more or less the values of the currents

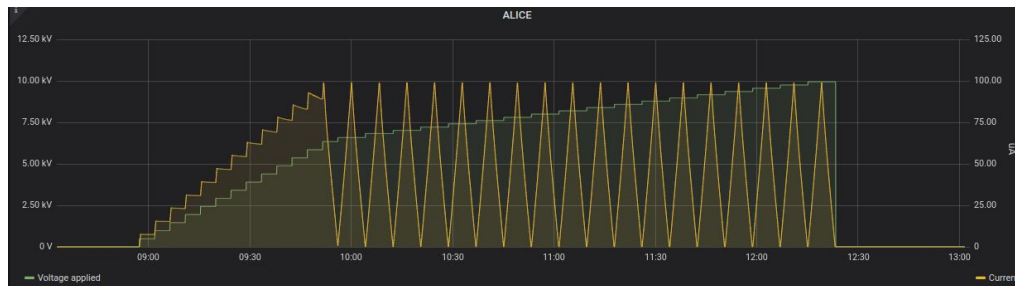


- CMS-GT = 7, 13  $\mu\text{A}$
- CMS-KODEL = 3.5, 25  $\mu\text{A}$

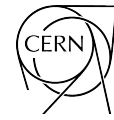
# ALICE and EPDT chambers



- ALICE chamber to exclude from next scans as the current is always tripping and slowing down HV scans
- EPDT chamber still suffering from drift, probably at gap level



# Current status

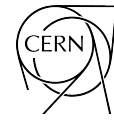


Everything OFF until 27 Sept

Chambers open to Air

29 Sep general access to bunker

# Proposal



1. Flush again standard gas mixture
2. Switch chambers on and irradiate for 1 week with std. mixture
3. Perform HV scan (source off, ABS 2.2, ABS 6.9) and discuss again results