Rate scan results with STD mix of CMS Endcap chambers

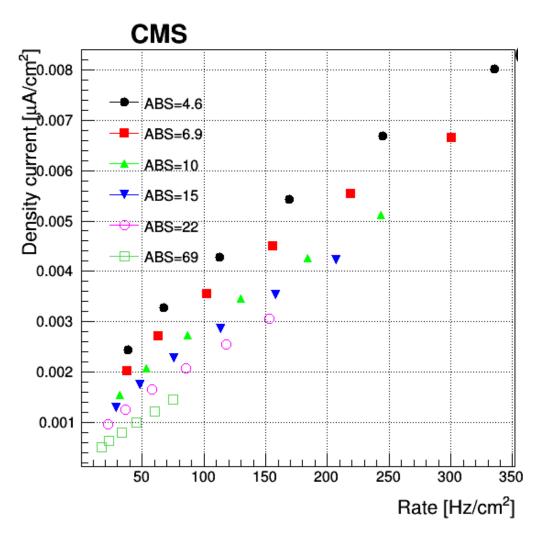
Reham Aly
Ecogas meeting
9June2021

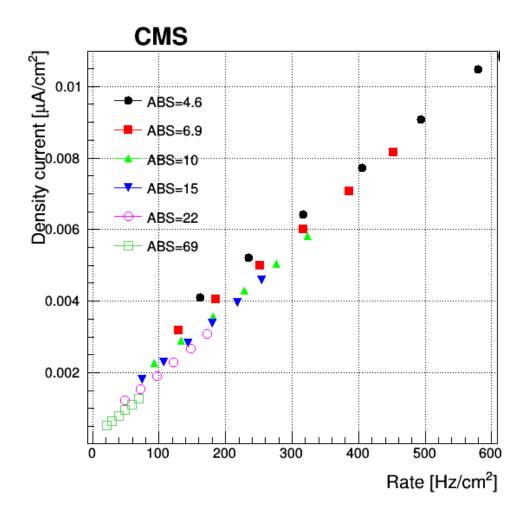
Overview

- Rate scans for CMS Endcap Chambers (2 RE2/2 & 2 RE4/2) Irradiated and Reference chambers
- Using Standard gas mixture (95.2% freon 4.5% isobutane 0.3% SF6)
- ABS values 4.6, 6.9, 10, 15, 22, 69
- 7 HV points from 9.4 to 9.9 KV

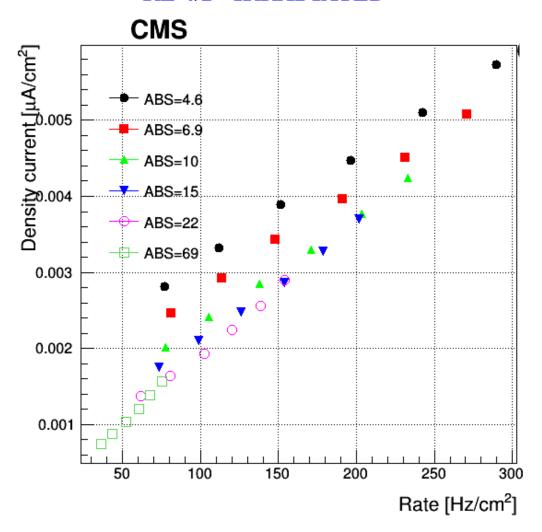
RE 2/2 - IRRADIATED



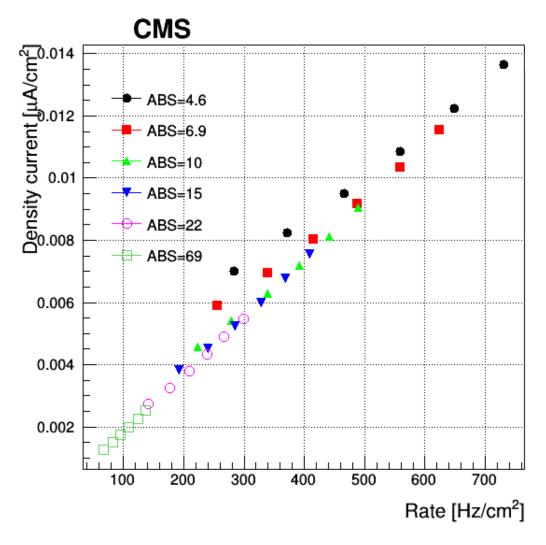








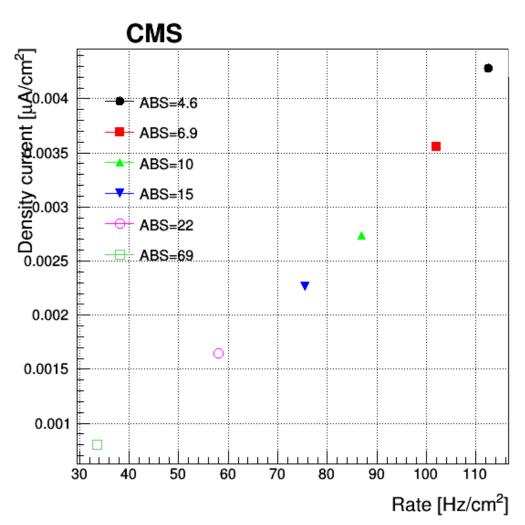
RE 4/2 - REFERENCE

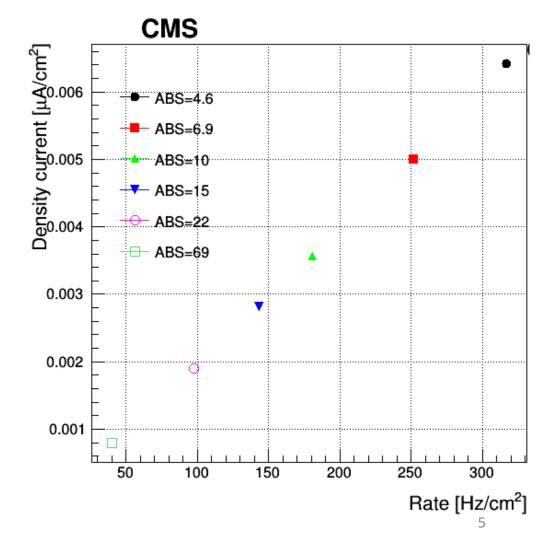


RE 2/2 - IRRADIATED

@ HV = 9.6 KV

RE 2/2 - REFERENCE

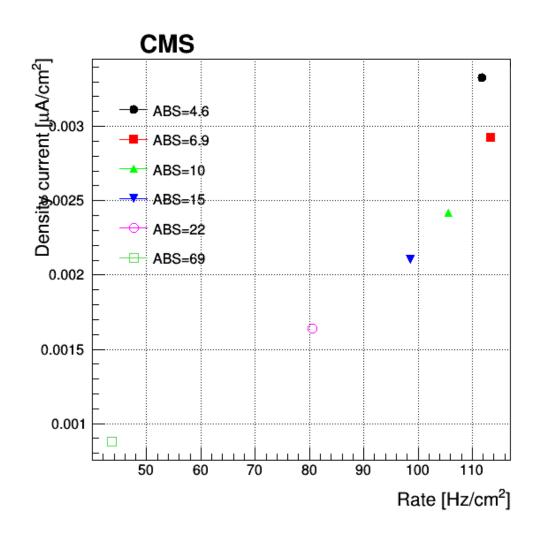


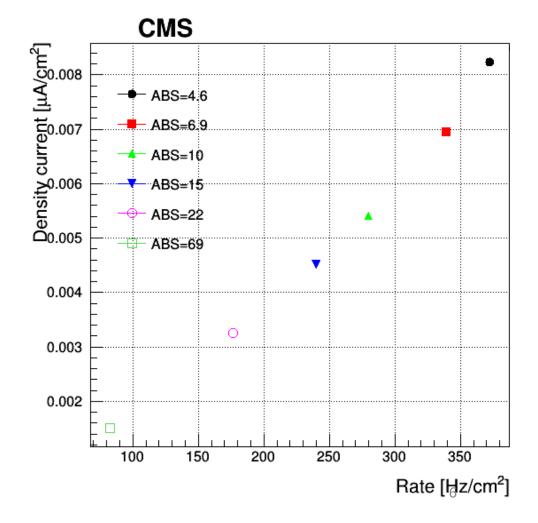


RE 4/2 - IRRADIATED

RE 4/2 - REFERENCE

@ HV = 9.5 KV

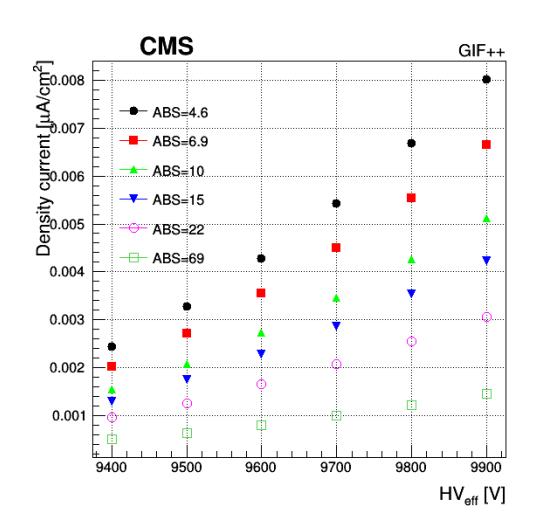


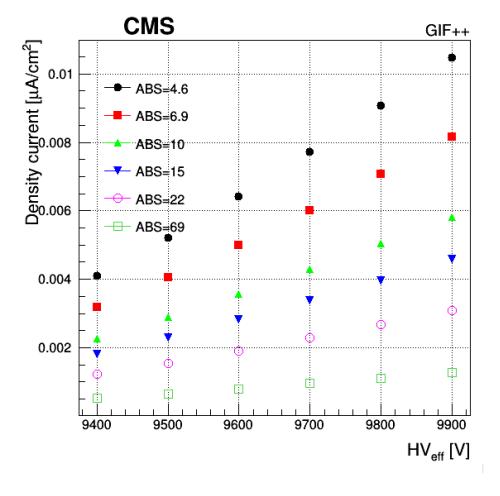


Backup

RE 2/2 - IRRADIATED

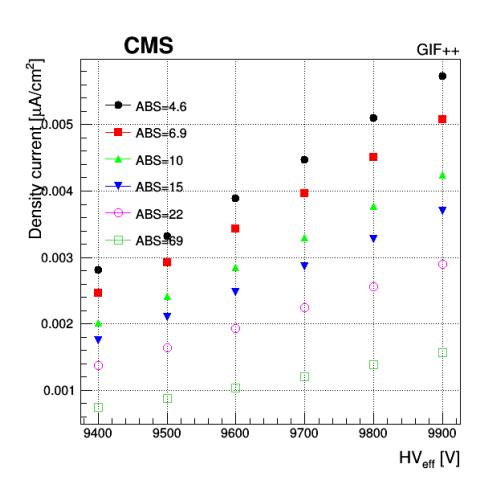
RE 2/2 - REFERENCE

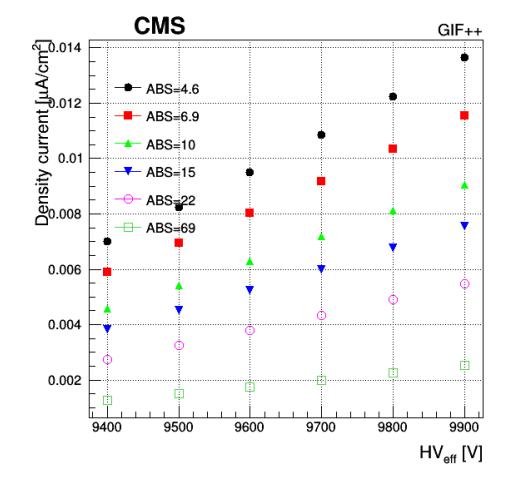




RE 4/2 - IRRADIATED

RE 4/2 - REFERENCE

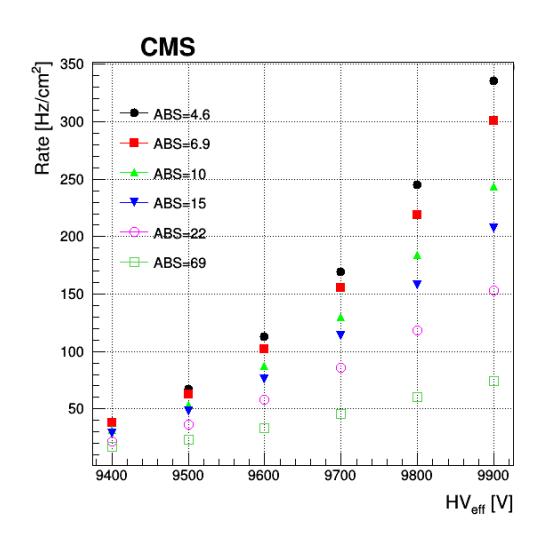


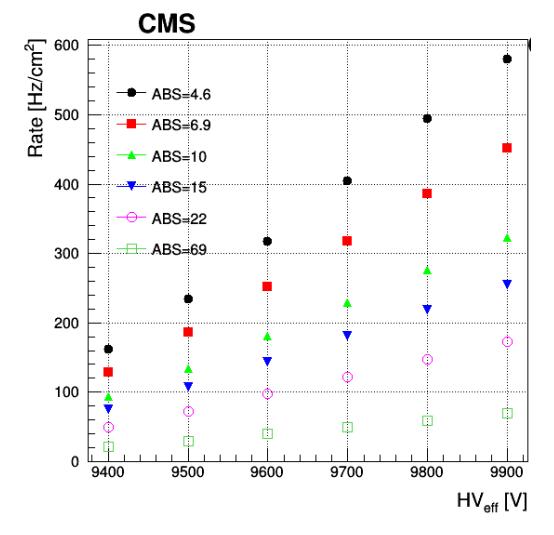


Rate vs. HV@ different ABS

RE 2/2 - IRRADIATED

RE 2/2 - REFERENCE





Rate vs. HV@ different ABS

RE 4/2 - IRRADIATED

RE 4/2 - REFERENCE

