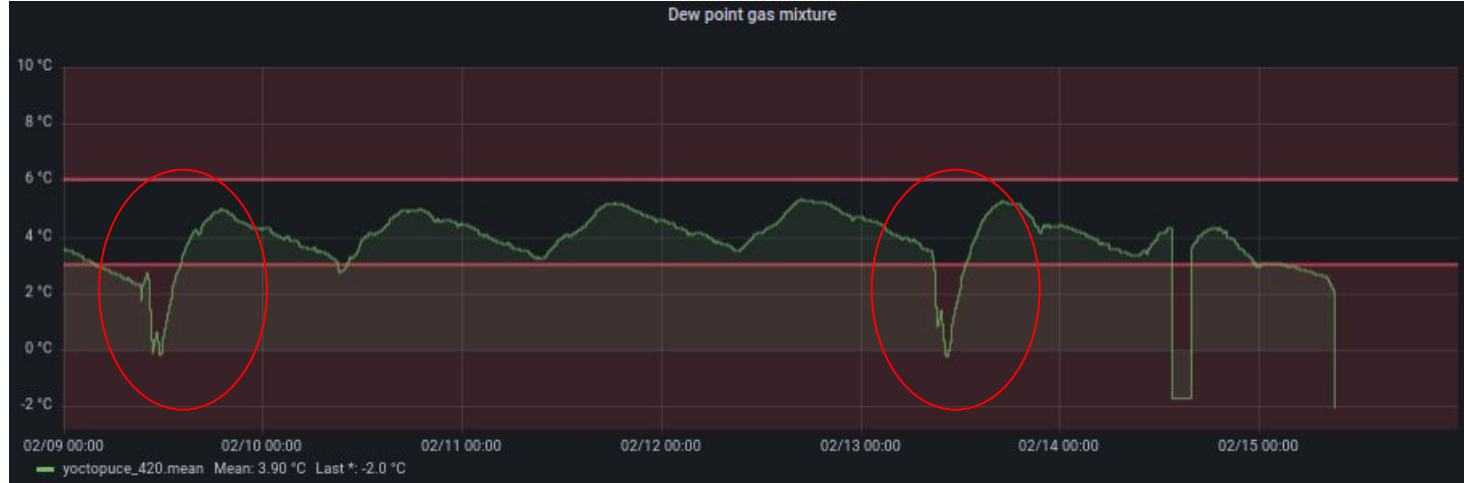


ECOGAS- Shift report & Ageing study results

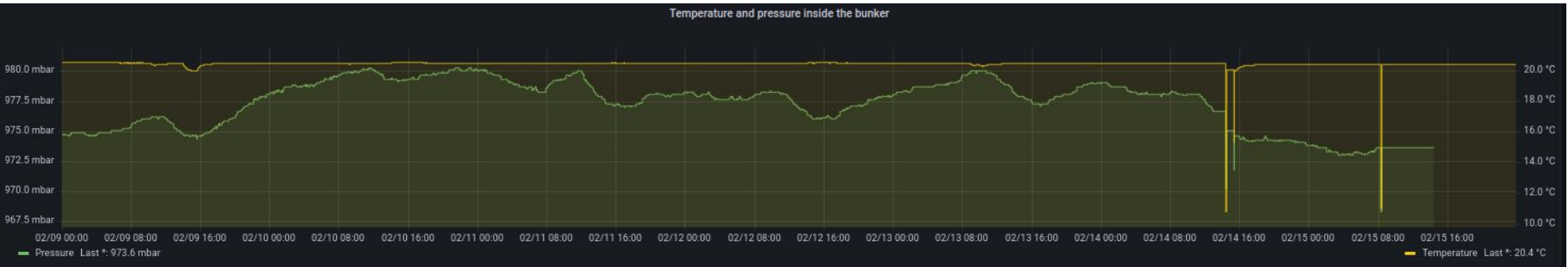
-Amrutha Samalan

Weekly shift- Report

- During the week, performed three stability scans
- On Friday, logger in ecogas pc crashed multiple times. Problem was solved each time by restarting the logger.
- On Monday performed one source off HV scan
- From Monday to Thursday source off for AUG test
- Monday night we switched off webdcs pc to avoid system damages due to power cuts (Thanks to Luca)
- We will perform the weekly source off HV scans on Thursday



Pressure and Temperature



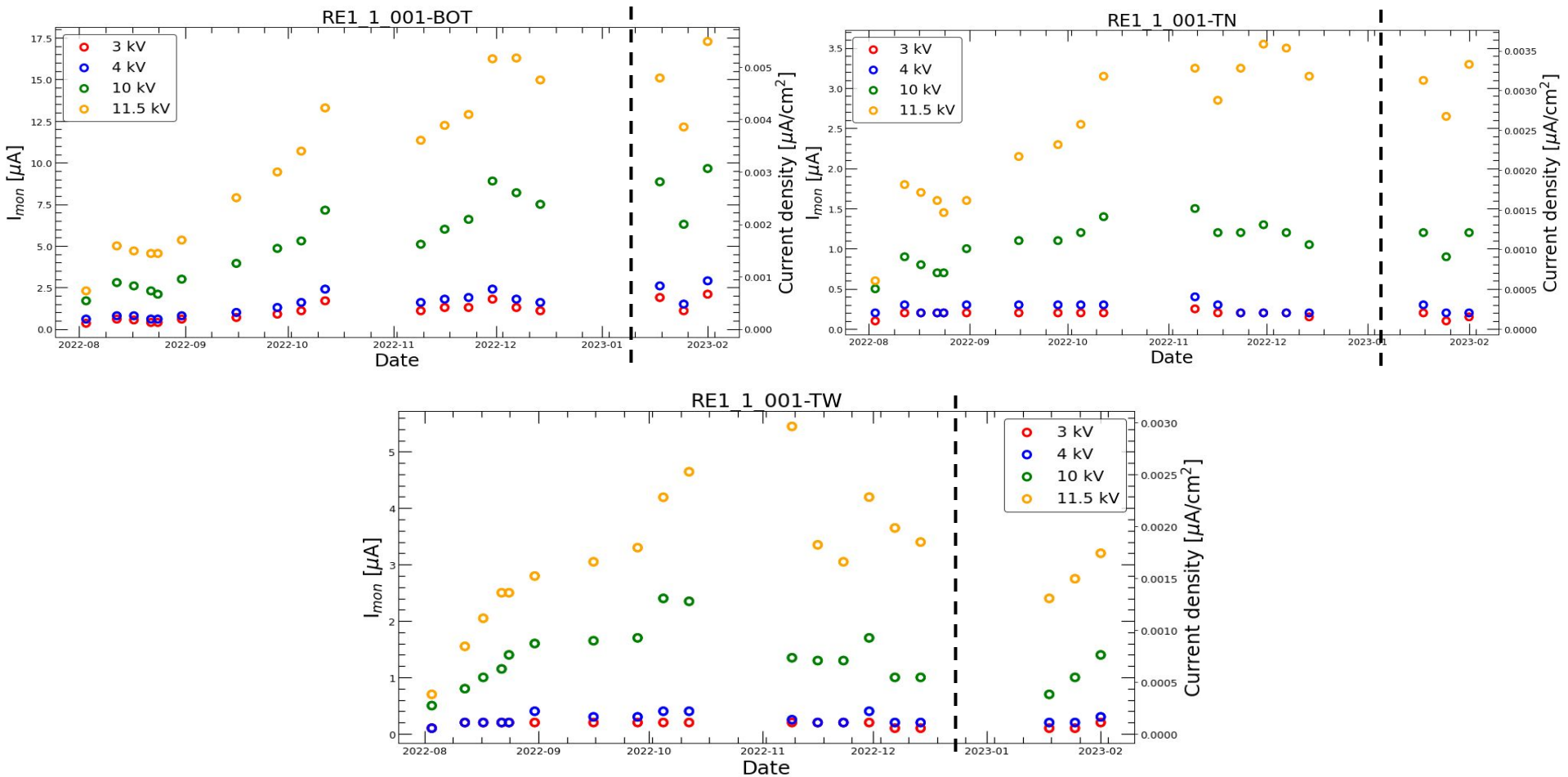
HFO present status

ECOGAS ageing study- analysis and results

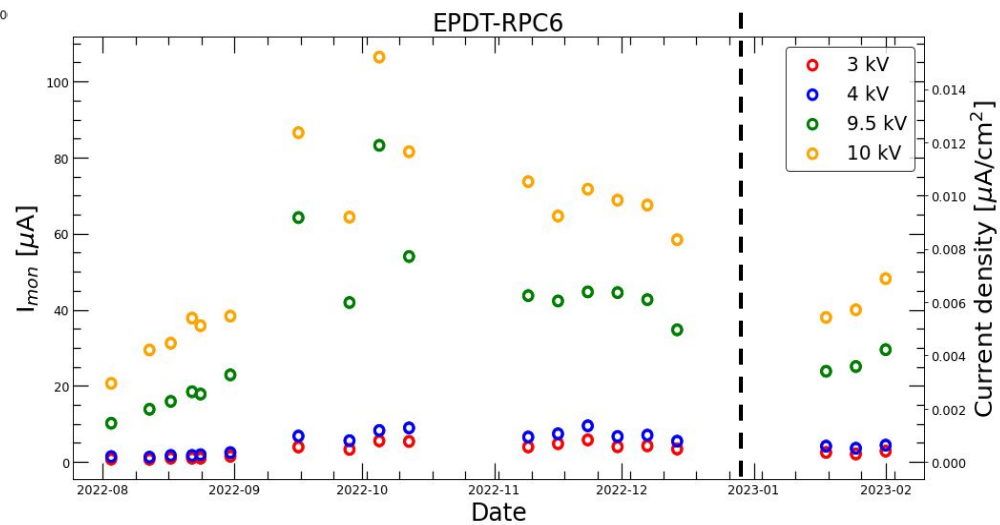
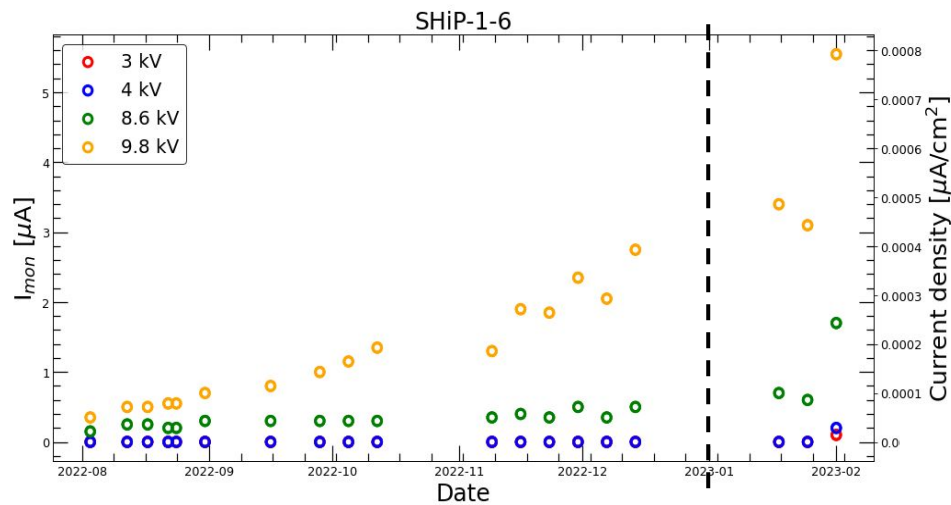
- Analysis of source off scans from 03 August 2022 to 01 February 2023
- Gas mixture: **ECOGAS2** (35% HFO, 60% CO₂, 4% iC₄H₁₀, 1% SF₆)
- Scan ids of the data plotted: Weekly source off scans from 381 to 452 (list of scan id for ATLAS and ALICE are different since they were excluded for some scans)

(A drift in the absorbed current of ATLAS-small RPC was observed on 12th of September. So it is excluded from the runs after that. Now the chamber is back in data taking mode)

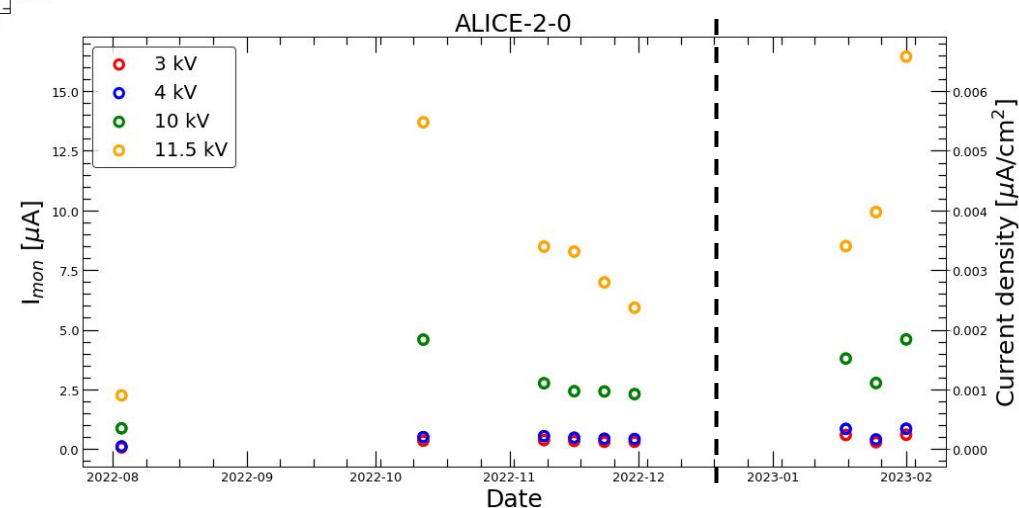
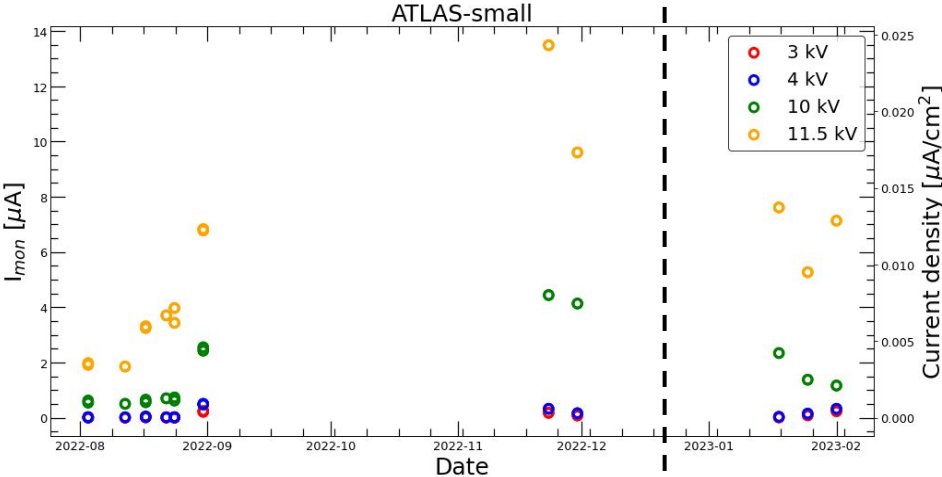
Dark current monitoring from 3/8/22 to 01/02/2022



Dark current monitoring from 3/8/22 to 01/02/2022

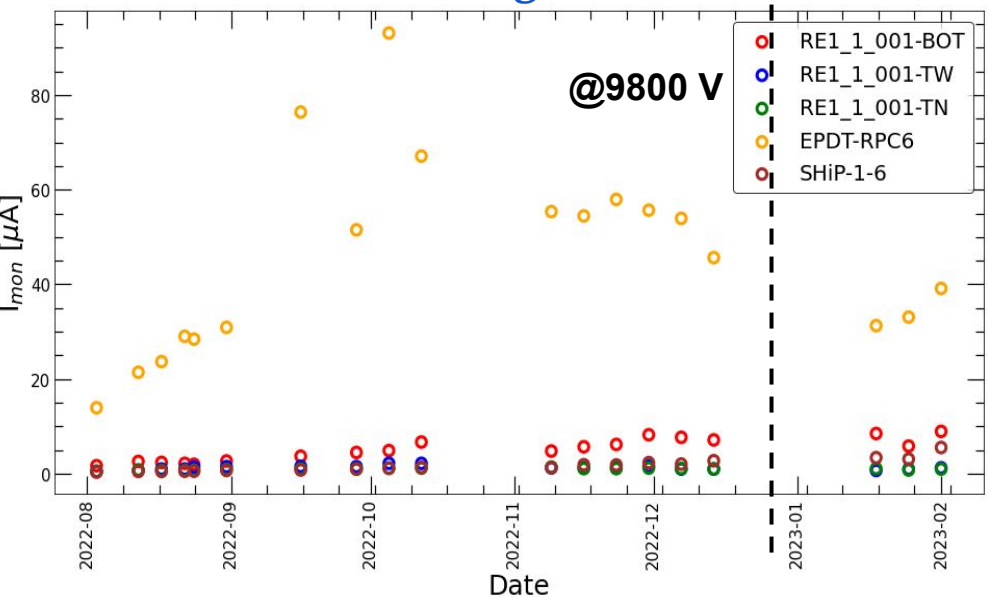


Dark current monitoring from 3/8/22 to 01/02/2022



Thank You

Dark current monitoring from 3/8/22 to 01/02/2022



Current @ last HV points: 10 kV for SHiP; 11.7 kV for others

