

RPC EcoGas@GIF++ Collaboration Weekly Report Dayron Ramos (University and INFN Bari)



System status

- Weekly Source OFF scan ID: <u>1080</u>, <u>1081</u> (backup slides)
- Week stability run ID: <u>261</u> (ongoing)
- HFO bottle ~ 2.3 kL used
- Humidity was continuous increasing and consequently regulated by reducing WET MFCs
- KODEL-H-TOP shown lower current during the Source OFF scans and was back to stability setting 7700 V → after roughly 1 day the current was such high like before and the chamber was set to HVeff = 6 kV





- Since the ABS was fixed to 69, EP-DT RPC is running in stability at WP (11074 V)
- SHiP RPC experimented sparks while lower current during the Source OFF scans this week



Stability settings for next shifter

- Continue ongoing run (261) with EPDT at WP wait updates from GIF++ weekly meeting (Thu)
- If ABS 69 is maintained \rightarrow EP-DT at WP (same config as run 261)
- If ABS 2.2 is put back \rightarrow EP-DT at 10.6 kV
- KODELH at 6 kV

Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)	Attenuator standby
ALICE-2-1		1060(6500	50	1 (111)
EPDT-RPC25		11074	6500	300	1 (111)
SHiP-1-6		8800	5000	300	1 (111)
RE1_1_001-BOT		1060(6500	50	1 (111)
RE1_1_001-TN		1060(6500	50	1 (111) 🗘
RE1_1_001-TW		1060(6500	50	1 (111)
KODEL-H-BOT		6000	5000	50	1 (111)
KODEL-H-TOP		6000	5000	100	1 (111)

Backup slides

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ScanID: 1080





ScanID: 1081





ScanID: 1078 (last report)

