

# Week 24 - LAB256

Status - Week 10.06.2024 - 14.06.2024

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EP-DT  
Detector Technologies

# LAB256

## Updates

- There was an intervention on the air conditioning system - some spare parts are needed  
-> still ongoing;

# RPC

## Updates

- RPCs 17, 18, 19, 21 and 22 are now @GIF, flushing the Standard Gas Mixture.
- In the pizzeria, RPCs 14 and 26 were installed, are about to be tested.
- There are no frames left -> check for materials to make some new ones.

Frame	RPC	Strip	
	1	26	2.5
	2	21	2.2
	3	19	2.2
	4	17	2.2
	5	22	2.2
	6	18	2.5
Not closing	7	14	2.5

# RPC

## Updates

- Old data available with:
  - R-32: up to 100% replacement of R-134a with 0.6% SF<sub>6</sub> or 30/60% with 0.3% SF<sub>6</sub>
  - R-152a: up to 100% replacement of R-134a with 0.6% SF<sub>6</sub>
  - R-245fa: tested in addition with 50% He

### June

10	11	12	13 STD RPCs: 14, 26	14 R-32 RPCs: 14, 26	15	16
17 GIF++	18 R-32 RPCs: 14, 26	19 GIF++	20 R-32 RPCs: 14, 26	21 R-32 RPCs: 14, 26	22	23
24	25	26 Test Beam Start	27	28	29	30

Gas	# Bottles
Air	1
Amoleea-1224yd	1
Ar	1
Ar + CO2 30%	1
Ar + CO2 7%	1
CF3I	3
CO2	1
CO2 + 500ppm O2	1
CO2 + Ne	1
He	2
He + 100ppm O2	1
N2O	1
Ne	1
NOVEC4710	3 (1 from China)
NOVEC5110	2 (1 from China)
PFG-5040	1
R-1233zd	1
R-1234ze	4
R-1336mz	1
R-134a recovered	1
R-14	1
R-154a	1
R-236ea	1
R-236fa	1
R-245fa	1
R-404a	1
SF6	1
Ar + 40% R14 + 15% CO2	1