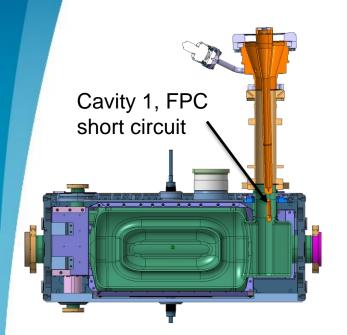
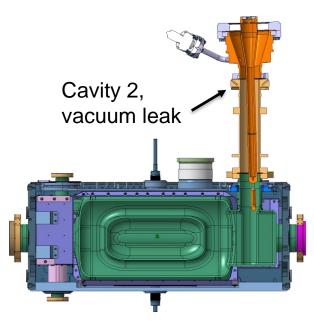
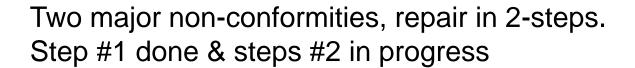
RFD-SPS tests, Status







WP4 Internal review (Jun 18 & Jul 4)

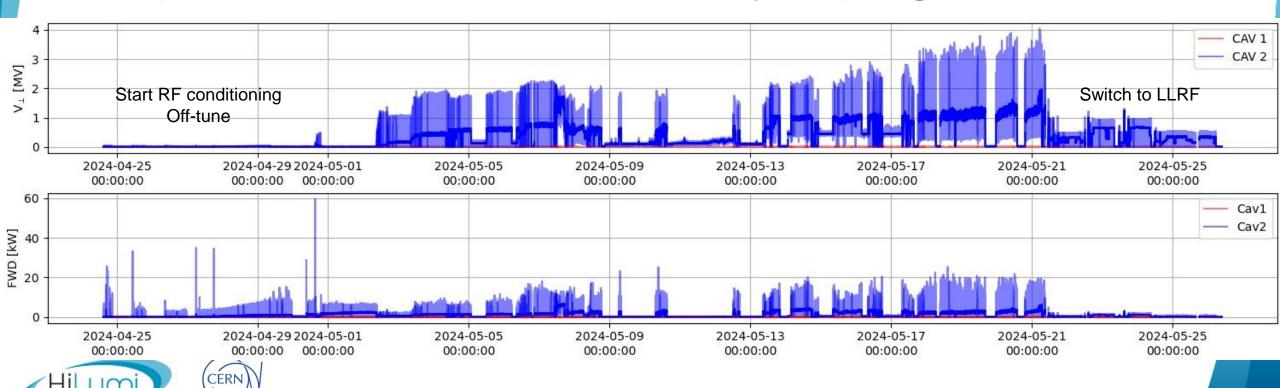






RF Conditioning Overview

- RF conditioning of the main coupler and then move cavity frequency (on-tune)
- Good progress in ~4 weeks. Installation of LHC spare circulator was necessary to progress further



Voltage Ramp Up المالية المالية القاران medium pulse ~100's ms Short pulse ~10ms V_{\perp} [MV] CAV 1 CAV 2 2024-06-09 2024-06-09 2024-06-09 2024-06-10 2024-06-10 2024-06-10 2024-06-09 2024-06-09 2024-06-10 12:00:00 18:00:00 21:00:00 03:00:00 09:00:00 15:00:00 00:00:00 06:00:00 09:00:00 Cav1 60 Cav2 64 FWD [kw] 20 2024-06-09 2024-06-09 2024-06-09 2024-06-09 2024-06-09 2024-06-10 2024-06-10 2024-06-10 2024-06-10 12:00:00 09:00:00 15:00:00 18:00:00 21:00:00 00:00:00 03:00:00 06:00:00 09:00:00 Cav1 15 IGFWD [kw] Cav2 2024-06-09 2024-06-09 2024-06-10 2024-06-09 2024-06-09 2024-06-09 2024-06-10 2024-06-10 2024-06-10 09:00:00 12:00:00 09:00:00 15:00:00 18:00:00 21:00:00 00:00:00 03:00:00 06:00:00 10^{-6} Vacuum interlock level Vac 1 Vac Level [mbar] 10^{-7} Vac 2 25 Cryo 10-8 20 10^{-9} 2024-06-10 2024-06-09 2024-06-09 2024-06-09 2024-06-09 2024-06-10 2024-06-10 2024-06-10 2024-06-09 09:00:00 12:00:00 15:00:00 18:00:00 21:00:00 00:00:00 03:00:00 06:00:00 CC Global Meeting, 5-Jul 2024

HOM Measurements

- Impedance measurements at 2K on the cryomodule are within specification
- Also consistent with the measurements done during 2021 vertical tests showing no surprises from cryostating & RF lines (25Ω)

