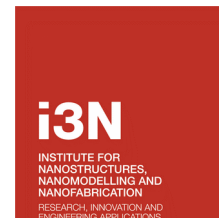


COMPASS TB: W45 status and plans

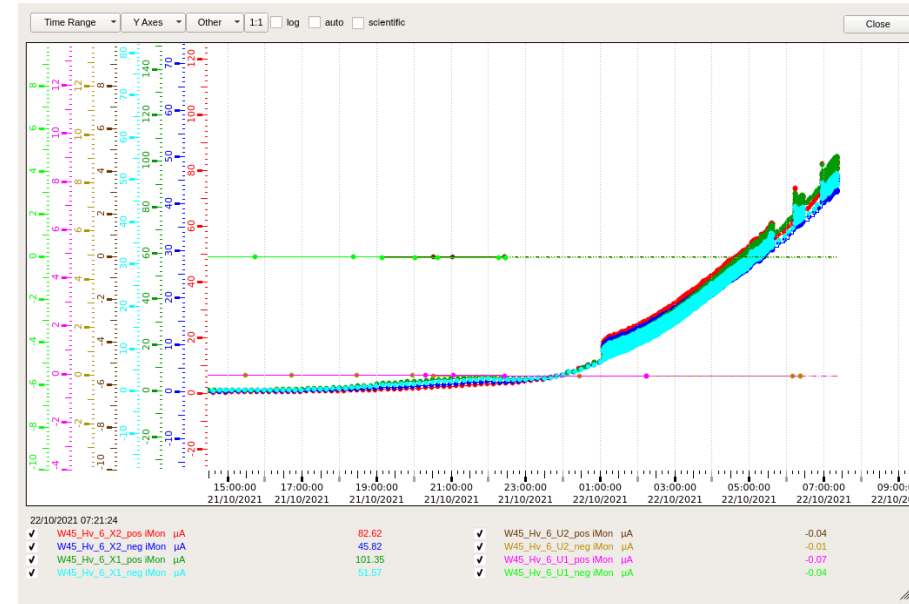
Carlos Azevedo
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16th November 2021



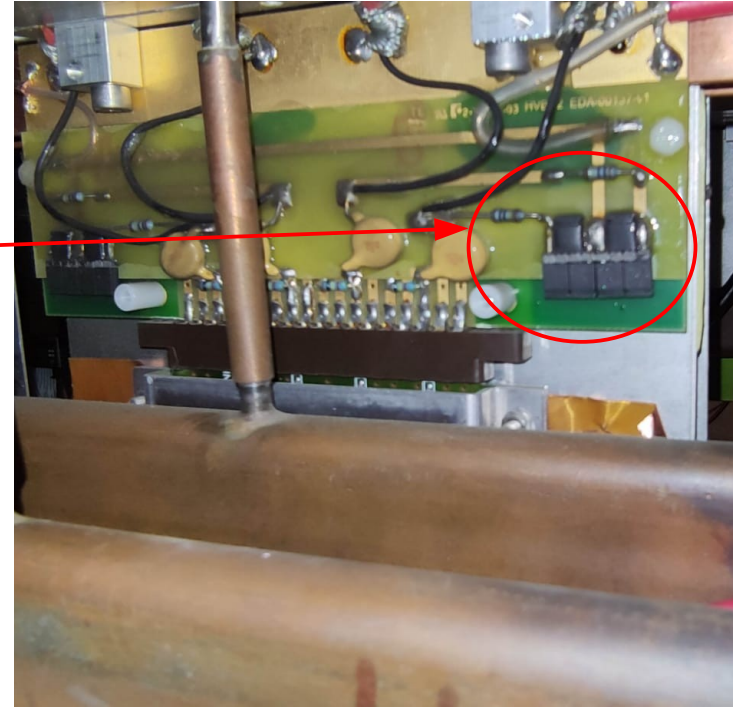
The problem

- Gas purity problem still not understood
 - Materials to build a continuous monitor for the 6 lines ordered
 - Waiting delivery
- We have finished the data-taking with significant errors in srdIDs 271,272,273
 - Spary contacts did not helped
- Huge dark-currents build-up in all detectors after changing to pure Argon
 - Due to CF4 absence?



Station3 V2 recovery

- Possible wire short-circuit
 - Investigation from outside as started by Pedro.
 - It is possible to disconnect a sector of wires from outside
 - Access is not easy at all
 - Problem: Jumpers “glued”
 - Pedro tried to remove one and it broke
 - HV distribution for plane V2 is in the top of chamber
 - Needed at least 2 persons to search for the short-circuit position



RT calibration and efficiency

- RT calibration scripts barely understood
 - Still some doubts
 - Performing detector studies to x-check and better understand the procedure
 - Help from DCs experts needed to x-check.

Plans for 2022

- Starting in the very beginning of 2022:
 - Assembly and mount gas continuous monitor system
 - Locate and remove DW03V2 short circuit
 - At least 2 persons needed.
 - Strong coordinations with Stefano (how to access the top without moving detectors)
 - Chamber is located in a crowded area with delicated mylar windows
 - Pedro not available till the end of the year (mandatory vacations and beginning of new contract delayed)
- Send LV PS to repair
- Install LV PS remote porwercycle system