ProtoDUNE-VD-PDS status and plans

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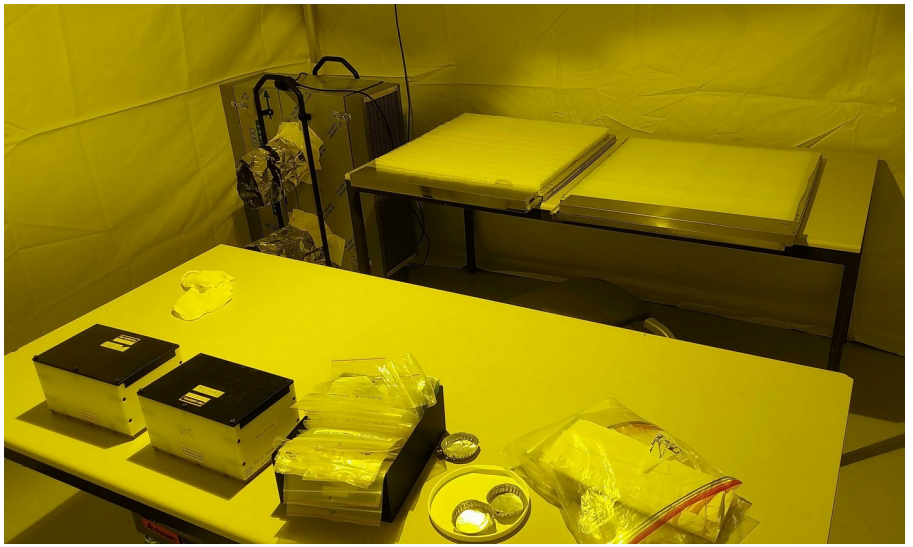
PDS room preparation

- Reorganization of general space in lab
  - Area for M0 PDS modules work ~14 m²
- Tent (CLab): ~8.7m² (2 tables, 2 roller seats, air purifier, circulation)
  - Module working station (table 1), tools, module parts, materials (table 2)
- External area: ~5.3 m²
- Rack equipped with 2 new shelves + bottom
  - slots = 3 x 4 – (M7 & M8) = 10 > 8 Cathode modules



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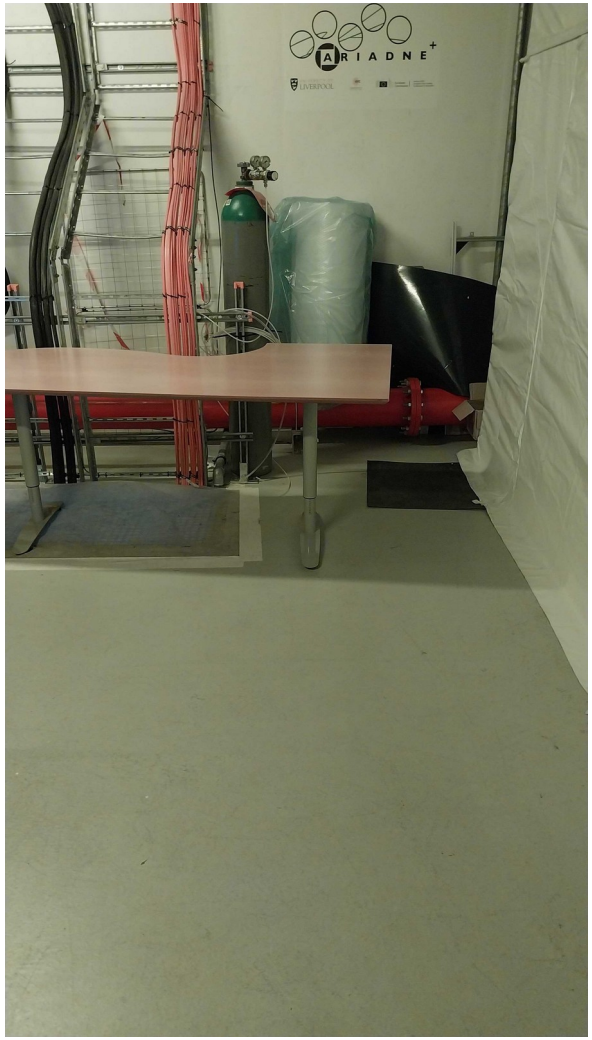

Plans to unmount M0 Cathode modules

- Preparations for access to start on 14/05 (thursday)
- Procedures:

Step	Description
Preparation for access	Two people working directly on to the module on cathode. Two people on lower level to assist with larger parts, transport task. CRP person Check for needed materials, tools, module identification in its cathode position. Every item going above will be attached to operator. Extra "safety net" below operators so any debris/small piece falling on the aluminum platform
Overall VI of module in cathode	Check apparent planarity of the module, surface of the DF, resistive strips, mesh, fiber tubes, etc. (Module pictures)
Resistive strips and mesh removal	Four strips and screws must be removed, placed in container, moved down and accounted. (Module pictures)
Electronic box opening	Screws are to removed, placed in container, lid removed and taken down momentaneously. (Picture from inside box, labels visible)
Fibers disconnection	Silicon from connectors removed, fibers disconnected, connectors and fibers end caped, fibers positioned outside e-box and to the side for mechanical protection and to allow module passage. (Pictures of fibers placement)
Electronic box closed	Lid and screws installed back again.
Module detachment	Undo fixing piece and slide module off (pins move out completely). Piece and screws kept and transported with its correspondent module
Module descent	One person at lower level receives module, carefully moves it out of field cage and take it to table level outside cryostat. Second person assists all times, watches to avoid obstacles on module's pathway.
Transport module preparation	Standard installation procedure to attach module to the frame, to protect its surfaces (plastic+cardbox) and move it upstairs to PDS room
Module reception at PDS room	Frame placed horizontally in dedicated table, evaluation for cleaning procedure (gentle argon flow parallel to surfaces, wipe of frame surfaces) and storage in position where module must be IDed

- Spreadsheet to map/document all action/work/changes performed on the modules
  - Tab per module: link to original walk-through doc, dated, description, parts changed, connections, etc

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