DC PS Rack Progress Report

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${ m ArgonCube2x2}$

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Outline

Current status of the DC-PS rackInstalled



- Fanout Options
- Missing Equipment







The DC-PS Rack

Installed equipment:

- Smoke detector
- 2 RPS
- MPOD crate #1
- MPOD crate #2
- MINERvA switch box
- Spellman HV

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The DC-PS Rack

Undecided location for:

- MINERvA switch box
- Spellman HV

Finalizing the rack:

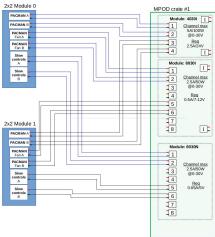
- If the HV power supply can be moved to the HV filter rack, we could change our 208/3ph switch box as well
- Raspberry pi mentioned in the rack diagram is directly attached to the filter

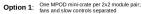




MPOD

- MPODs have been installed and the cabling diagram has been chosen (see below)
- One MPOD slideable module for every apparatus: PACMAN, Fans, Slow controls for each 2x2 pair









MPOD status

Missing equipment:

- MPOD LV Module 8030N
- Second set of MPOD modules 8030I and 8030N
- Cables

Software and settings:

- We were able to set the voltages manually
- Both MPODs have USB and networking capabilities, but the software requires windows OS
- Matt gave us a demonstration on the fan/pacman interlock using the MPOD software to set the voltage
- Might need to write our own code down the line







DC PS Racl



- As soon as spellman's location has been determined, we can finish the DC-PS diagrams and the installation
- Still need to install computer/network switch
- Lastly, need to find the missing MPOD modules



Documentation

https://docs.dunescience.org/cgi-bin/sso/ShowDocument?docid=24997



Backup Slides



Test









Windows PC

For MUSE control software





