FACET Live Radiation Monitoring

Summary

We routed the connections in the server area of the Klystron Gallery that corresponded to the radiation monitors in beam dump table to a server module so that we can access the live radiation readings from S20 trailer.

There are four radiation monitors placed near cameras near the end of the FACET-II tunnel so that they can tell us which areas around the beam dump area are potentially hazardous for cameras.

We placed a dosimeter near each RADFET to serve as a calibration device. A fifth dosimeter is kept as a control in my desk drawer (B52-315B.26).

(TLDR: Added DOSFET to controls network)

See network info at bottom of page.

Neutron Detector

As of the August 8th PAMM, we've temporarily added a neutron detector near CHER. See picture below.

Locations

RADFETS
Old Pictures:
Cable Connections in Tunnel

Server Room Connections
Network Info:

Name: radm-li20-rm01
IP: 172.27.76.21
VLAN: FACETINST (719)
MAC: 00:80:A3:A1:81:0B
Added to DHCP: Yes
Location: FKG20-2335
Switch: SWH:LI20:NW02
Port: 2/0/38, (Switch 2, port 38)

Data Readout:

To sign into facet-srv01 from FastX:

1. ssh mcclogin
2. Enter password
3. ssh fphysics@facet-srv01
4. Select account

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<th>Just RADFETS</th>
<th>All Radiation Measurements</th>
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<td>2. LI20 – Experimenter</td>
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<td>3. Click on &quot;RadFET&quot; button in lower right corner</td>
<td>3. &quot;PyDM View All Doses&quot;</td>
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<td>4. If needed click on &quot;Config&quot; in top right</td>
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