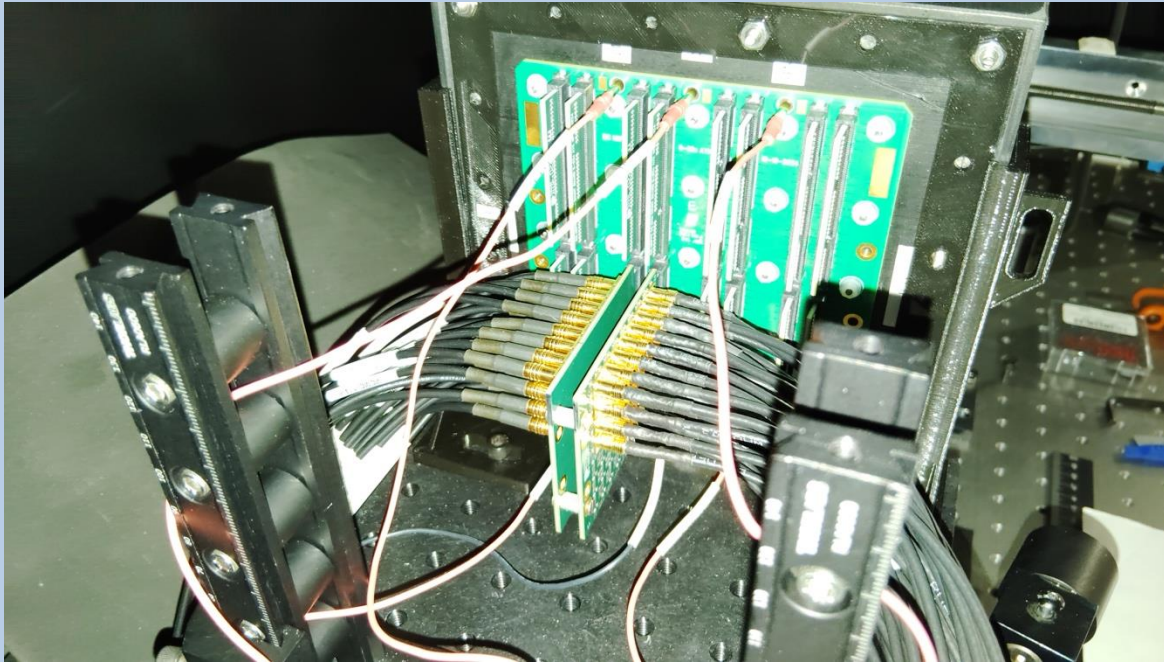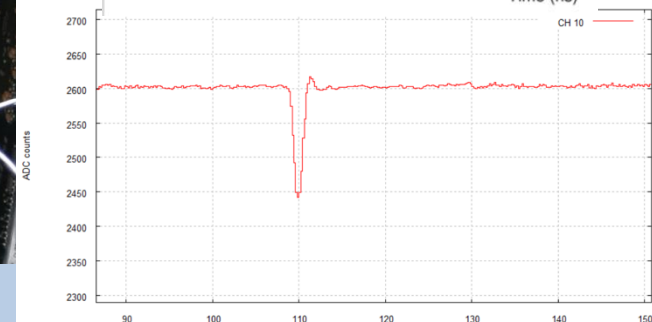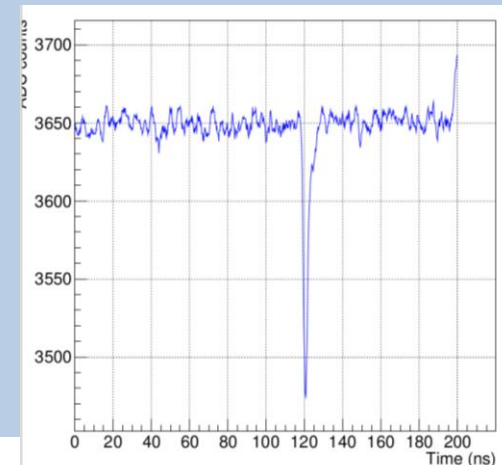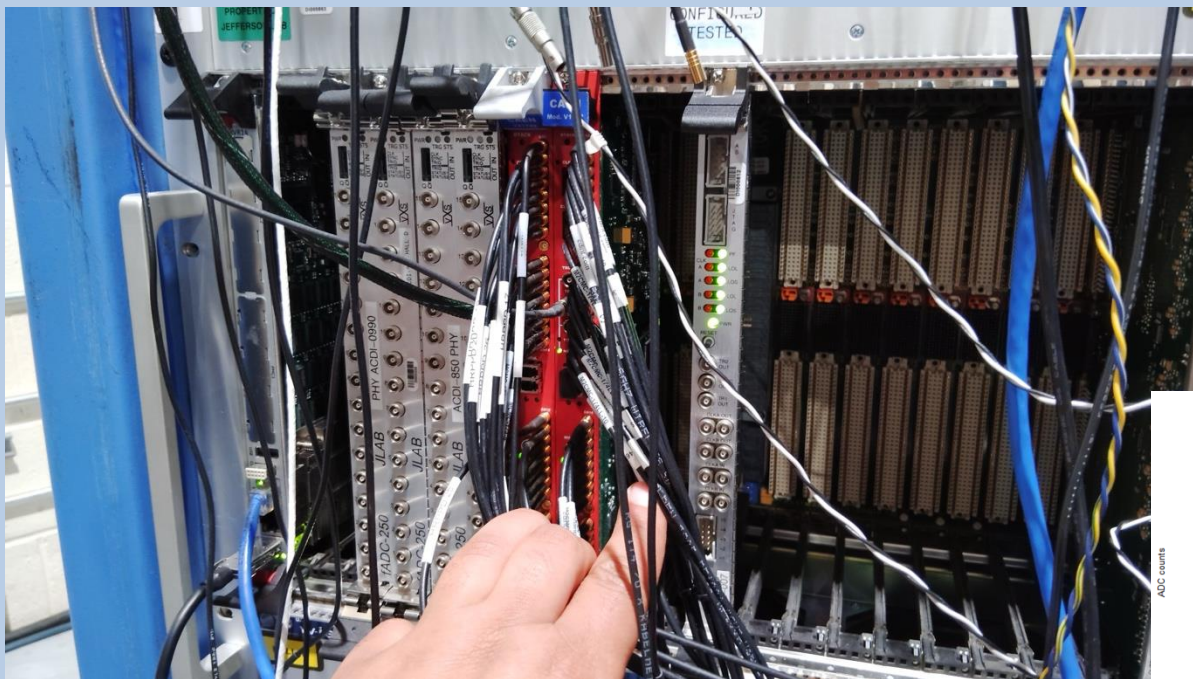# Update on HRPPD tests

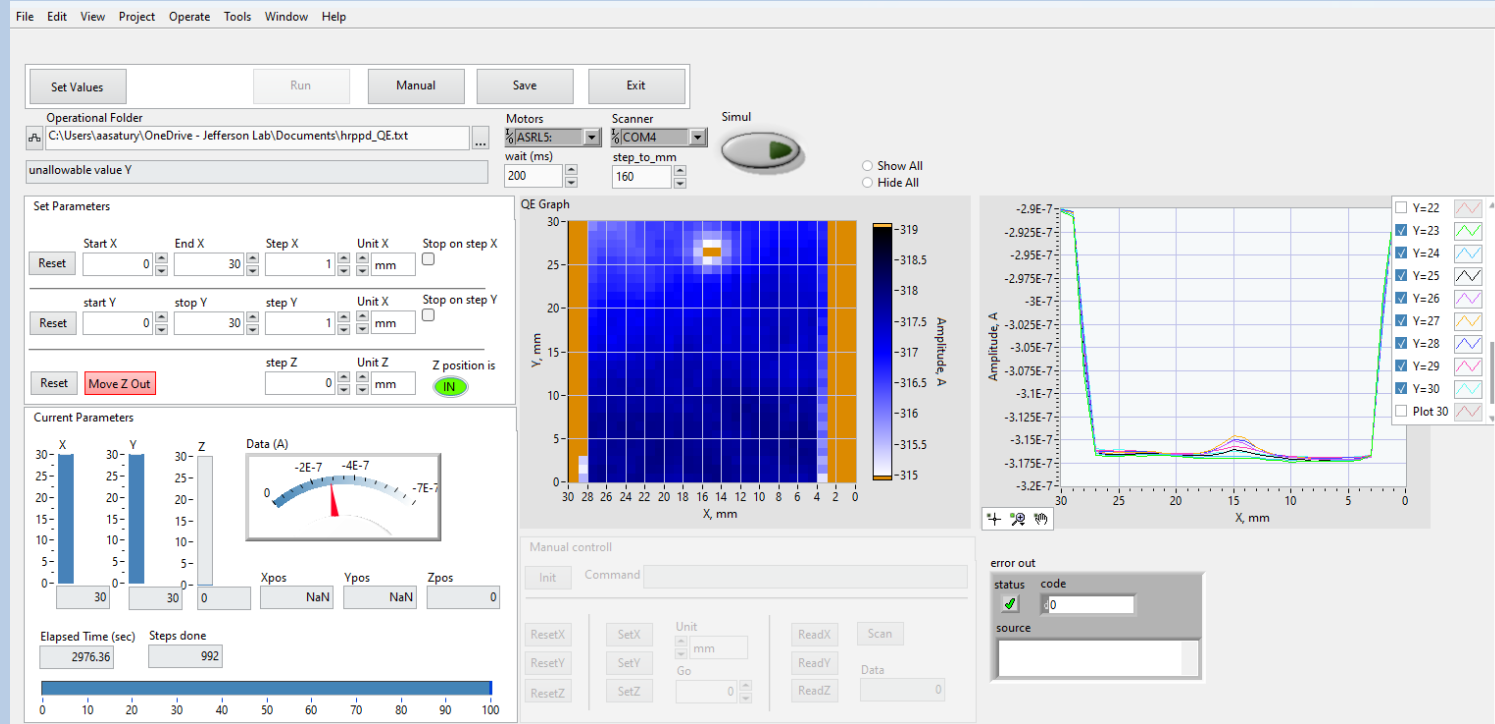Arshak Asaturyan

HRPPD – Backplane Integration

- Successfully integrated the second version of the backplane board
- All MCX cables are mapped and verified
- Installed on the HRPPD without issues

DAQ System Update – Adding Second CAEN V1742

- Installed second V1742 digitizer to expand to full 64-channel readout.
- DAQ now sees both modules but event rate from the second module is not stable.
- Data from the second ADC not consistently recorded.
- JLab DAQ experts have been notified and are actively assisting in resolving the issue.

Test Stand Modifications and QE Rescan

• Replaced/added optical components with 3D-printed holders to prevent motion stage damage.

• Improved laser alignment and filter positioning.

• Performed new QE scan to identify and map the aged region

Summary and Plans

Summary:
- Successfully integrated the second version of the backplane with all MCX cable connections verified
- DAQ system updated to support 64 channels with the addition of a second CAEN V1742 module.
- Encountered issues with the second digitizer's event recording—currently under review with DAQ experts.
- Upgrades to the test stand are nearly completed, followed by a QE rescan to identify aged spot.

Plans:
- After resolving the DAQ issues, continue PDE studies with various high-voltage settings.
- …