

Development of the Data Acquisition System for the J-PARC muon g-2/EDM Experiment

- J-PARC muon g-2/EDM Experiment aims to measure the anomalous magnetic moment (g-2) and the electric dipole moment (EDM) of the muon.
- For this experiment, considering the following structure for the data acquisition system.
- Construct and demonstrate the DAQ system.

Conclusions

- Successful development of essential functions for demonstration DAQ system:

- Dummy Data Generation
- Time Measurement
- Transfer Rate Adjustment

- Verified operation of a single readout board and network switch.

Plan

- Readout from multiple readout boards.
- Construct DAQ system based on DAQ-Middleware.

