

Machine Learning Online Reconstruction for E1039

MC Generation

How we create training data for the neural networks.

RUS Files

The universal file structure that will be outputted from the DAQ

QTracking Infrastructure

How data travels through the system from raw events to reconstructed outputs.

Performance Analysis

How quickly and accurately QTracking works versus truth and KTracker.

GPU and Neural Network Acceleration

How we accelerate the evaluation of the neural networks.

Online Monitoring GUI

Plans for and status of the GUI that will display QTracker data.

AI Monitoring System

Plans for and status of a machine learning-based monitoring system for slow-controls of the experiment combined with output of QTracker.