

The Readout Crate in BESIII DAQ framework

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The BESIII “readout” is meant an interface between DAQ framework and FEEs. As a part of DAQ system, the readout plays a very important role in the process of data acquisition. The principle functionality of Readout Crate is to receive, repack, buffer and forward the data coming from FEEs to Readout PC. The implementation is based on commercial components: VMEbus PowerPC based single board computer; the VxWorks real-time operation system. The design and implementation of the functionality of Readout Crate will be presented in this paper.

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