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Current iFDAQ Software Status

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The contribution presents development and recent status of the Data Acquisition Systems (DAQ) of the COMPASS experiment at CERN. It focuses especially on development and deployment of the new communication library DIALOG and DAQ Debugger for the error detection. The DIALOG library is a communication system both for distributed and mixed environments, it provides a network transparent inter-process communication layer. In general, state-of-the-art Data Acquisition Systems (DAQ) in high energy physics experiments must satisfy high requirements in terms of reliability, efficiency and data rate capability. In complex software, such as the DAQ, having thousands of lines of code, the debugging process is absolutely essential to reveal all software issues. The resultant DAQ stability is discussed at the end and comparison with previous years is given.

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Session Classification: Status Overview