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A DAQ processing system for the KM3NeT shore station

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The framework for the KM3NeT shore system is based on the Internet Communications Engine, ICE. The task of the system includes control, data acquisition and processing, pre-selection of events for storage and further processing and on-line monitoring of the KM3NeT neutrino telescope. We describe the overall shore DAQ system and discuss in particular the processing, storing and monitoring tasks. We present our experience with implementations for the DAQ systems which have been build to support the foreseen demonstrator of the KM3NeT shore station.

Summary

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