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ATLAS Tile Calorimeter online software configuration and Performance study of the super-drawer components

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To operate the Tile Calorimeter, the Tile Online software which is a set of Trigger and Data Acquisition (TDAQ) is required for configuration. The modularity and configurability of TDAQ enables it to be used as data acquisition system for test setups, test beams, detector calibration, ect. Partitions which are the starting point that defines a DAQ configuration are created to readout,transport, and store Physics data originating from proton-proton collisions from the Large Hadron Collider. In ATLAS a partition is a synonym for data taking configuration.Tests are performed on the super-drawer which contains the components of the front-end electronics of the ATLAS detector. The performed tests will enable us to improve the performance of the components that are used for data taking.

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