

Current status

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My thesis

Main topics:

1. Integration of upgraded Tile Calorimeter readout electronics in the ATLAS detector
2. Search for Higgs boson pair production

Qualification Task

Integration of the TilePPr into the TDAQ
software framework

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Development of the online software required for
its correct configuration and data readout

TilePPr Configuration

- **First tasks:** Development of the TilePPr Finite State Machine (FSM) within the ATLAS Run Control architecture using the TROOPER libraries
- This includes implementing all necessary TilePPr configuration steps

TilePPr Configuration

- Currently reading and understanding documentation as well as doing some tests in the Valencia setup.

FELIX supervision

- Start to take charge of the FELIX and Data Handler for the Tile Calorimeter
- Reading documentation regarding software and hardware
- Will start attending “Readout User Meeting”:
Regular discussion forum for FELIX and SW ROD/DataHandler developers and users.



Extra slides

TilePPr

Central interface between the upgraded on-detector electronics and the ATLAS Trigger and Data Acquisition (TDAQ) system:

- Receives digitized signals from the front-end
- Distributes timing and configuration information
- Transmits raw and reconstructed data to the FELIX system