

COMPASS++ Trigger-Less DAQ

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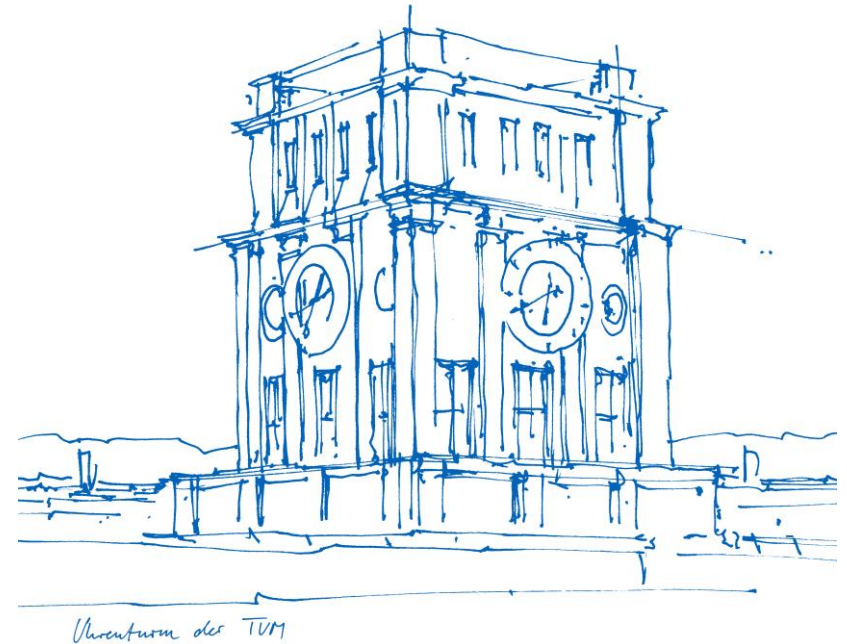
Institute for Hadronic Structure and Fundamental Symmetries (E18)

TUM Department of Physics

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COMPASS DAQ Workshop

Munich February 11-13



Dry Run

Proposal for TB:

- 2020 April – June
- Commissioning of all detectors 2 month
- Data taking 1 month

Work Packages

Hardware:

- New FPGA module - TUM
- Silicon read out - TUM, Torino
- TPC - GSI, Gatchina, Saclay, Bonn, TUM
- MSADC(?) - TUM, Trieste, ICTP
- iFTDC - TUM
- New DAQ Computing - TUM, Dubna, Prague

Firmware :

- UCF, TCS receiver, IPBus - TUM
- iFTDC - TUM
- DAQ MUX - TUM
- DAQ SW - TUM
- Trigger Processor - Mainz, Freiburg, TUM
- Feature extraction - Warsaw, ICTP

Work packages

Software :

- Cleaning up existing DAQ code
 - High Data rate read out
 - Trigger less data format
- Prague, Dubna
 - Prague, Dubna
 - all

THANK YOU