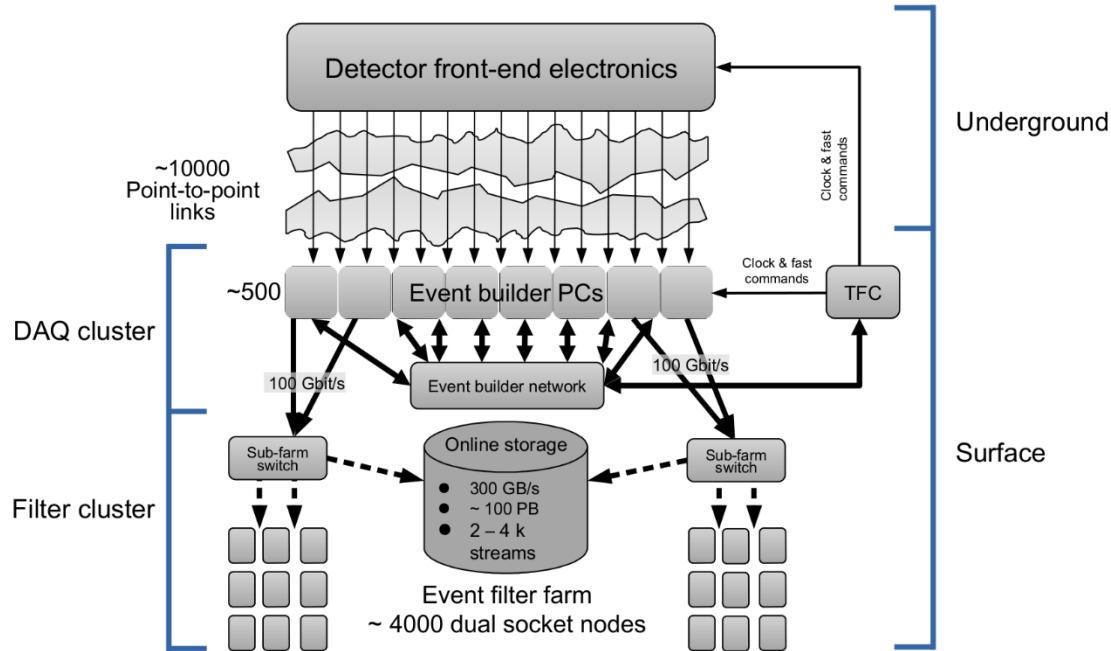# FLIT level Infiniband network simulations of the DAQ system of the LHCb experiment for Run-3

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LHCb DAQ upgrade

- Full rate online event building
- 32 Tb/s aggregated network throughput
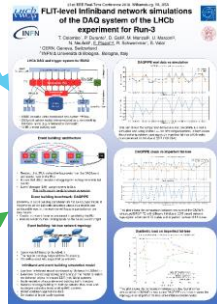- Highly optimized network infrastructure

Low level network simulations

- Discrete event model based on OMNeT++
- Infiniband FLIT level model by Mellanox
- Update and fine tuning of the model
- Event Building traffic modelling
- Validation against real data
- Larger scale simulations

Poster layout

DAQ description

Simulation results

Event building and
simulation introduction