

TPC Commissioning - HLT aspects

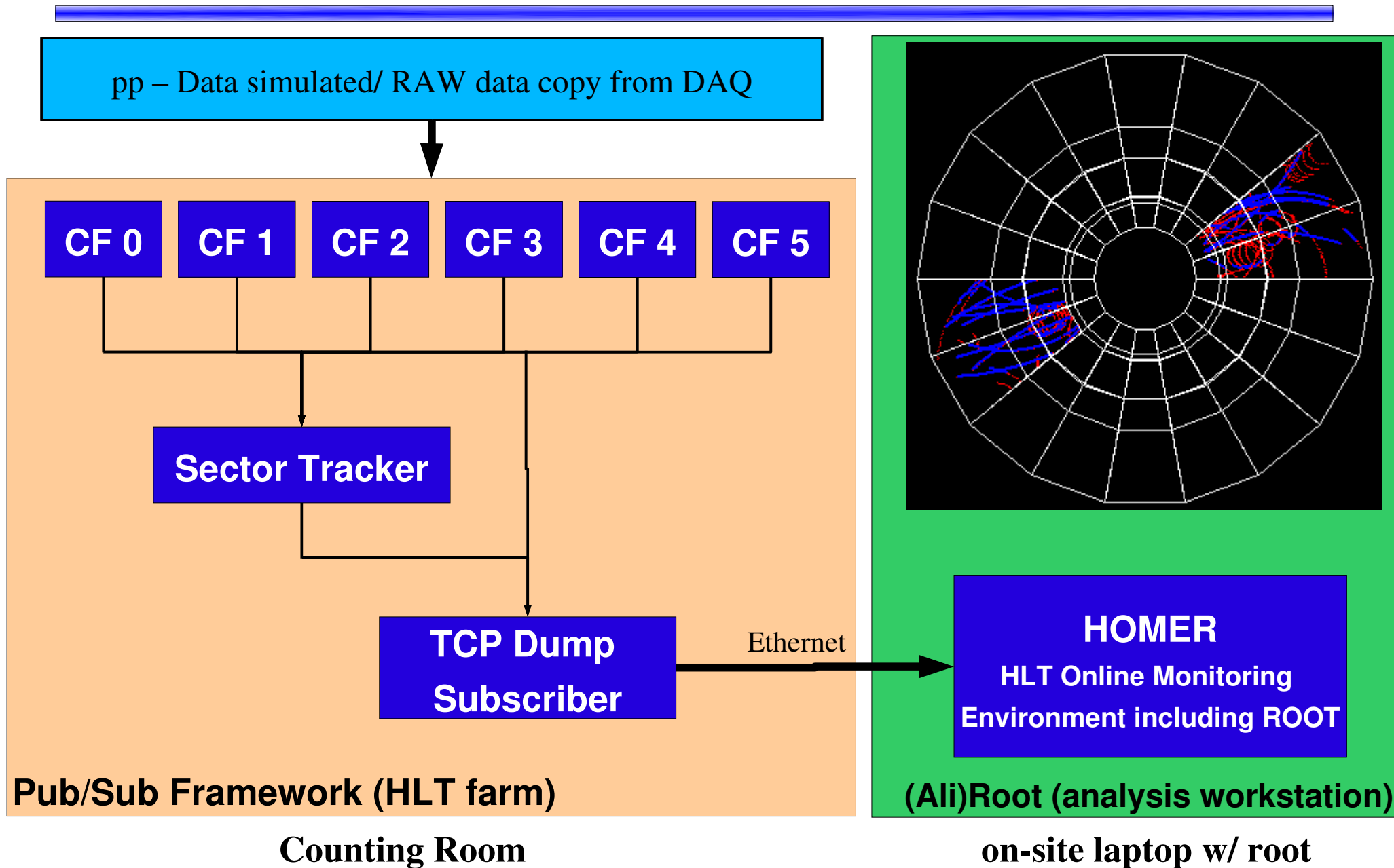
Dieter Röhrich
Matthias Richter

Department of Physics and Technology, University of Bergen, Norway

TPC Front-end-electronics meeting, Cern, Nov 22,2005

-
- Analysis components (Clusterfinder, Tracker, Track Merger) running on HLT cluster - full event reconstruction at full event rates possible
 - tracking efficiency suitable for low multiplicity events – tracking of cosmics and laser tracks without any problem
 - Reconstruction of all tracks
 - Online Monitoring through Online Display
 - clusters, tracks, raw data
 - customized histograms, residuals, dE/dx , ...
 - new scheme integrates analysis components fully into AliRoot – easy development and usage of Offline Components

Current TPC test environment



Infrastructure

- infrastructure for two sectors provided
 - 6 FEP nodes (dual processor, 2 HLT RORCS each)
 - 3 Processing nodes
 - 15 DDL DIU + 2 SIU
- Network, Network switch and patch panel installation underway at CR2/3 – finished by end of 2005
- Support:
 - full installation of the system
 - 1 to 2 people for maintenance of the system and custom programming and setup available during commissioning period