

CERN IpGBT: Merging Timing, Data, and Control of Detectors

Thursday 14 March 2024 09:30 (30 minutes)

The presentation shows the recent evolution of the data, trigger and control links in HEP experiments, using the CERN ALICE detector as an example. It gives an introduction of the CERN GBT/IpGBT protocol and their implementation in a radiation environment, the versatile link optical components, and some back-end interface cards (CRU, FELIX) that make the integration of the connected systems possible.

Author: KISS, Tivadar (HUN-REN Wigner Research Centre for Physics (HU))

Co-author: DAVID, Erno (HUN-REN Wigner Research Centre for Physics (HU))

Presenter: KISS, Tivadar (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Short talks