



Contribution ID: 166

Type: Oral

Development of MTCA/xTCA/ATCA based instrumentation for partial physics at IHEP

Friday, 6 June 2014 15:20 (20 minutes)

This talk briefs the development of instrumentation for particle physics experiment based on the ATCA/MTCA/xTCA specifications. Examples include hardware for LLRF, Compute Node(ATCA compatible) for PANDA experiment, Lumird for BESIII Luminosity readout, Compute Node(xTCA compatible) for DEPFET/PXD detector, digitizer and trigger for TREND experiment. Discussion on the back-end readout electronics trend is discussed.

Summary

As one of the 4 sponsor labs (DESY, FNAL, IHEP, SLAC) of the new standard—"xTCA for Physics", shortened as xTCA, IHEP/Triglab deeply involved in the development of the backend instrument for particle physics. Experience has been gained with acceptance by experiments and/or usage. More detailed information will be given.

Primary author: LIU, Zhen-An (I)

Presenter: LIU, Zhen-An (I)

Session Classification: III.b Trigger & DAQ

Track Classification: Data-processing: 3b) Trigger and Data Acquisition Systems