Draft of FASER Raw Data Format

• First draft of raw data format specification
  • See email from Anna
  • Full-event and ROR (Readout Receiver) headers defined
  • Format of data payload specified only for CAEN digitizer so far
    • Work on Tracker format is in progress, something expected in next two weeks

1 per event

1 TLB
1 Digitizer
9 Tracker

1 per ROR fragment (11 total)
Unclear if “24-bits packed DATA FROM MODULE” is still to be specified, or determined by ATLAS

It should be channel IDs + 3 bits per hit channel

(Some additional compression for neighboring hit channels)
Dataflow Prototyping

R. Jansky
Reconstruction Algorithms, Services and Tools

Prototypes Created

R. Jansky