



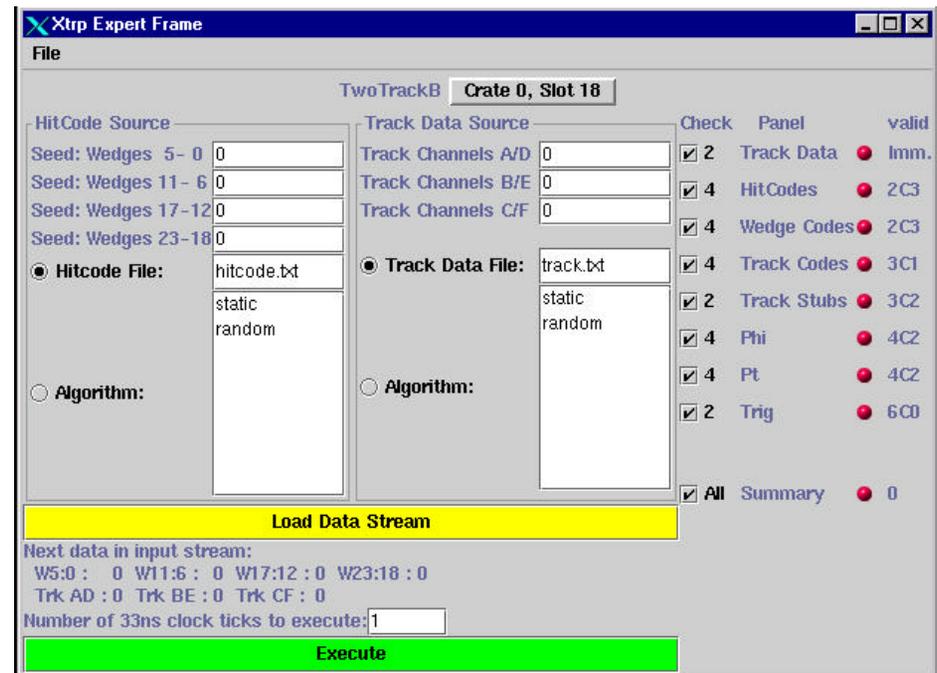
Data Board

- 2 production boards in testing on the 14th floor
- Both boards are fully functional at VME speed - including board to board communication
- Full speed testing
 - Each board functional in stand alone tests
 - Inter board communication underway (code modifications)
- Plan to have boards at B0 by end of August
 - Repeat integration (xft/muon/cal/I2)
 - Begin testing run control software
- Plan to proceed with assembly of remaining data boards



Track Trigger Board

- Boards in fabrication (8/4/00)
 - Will assemble 2 boards
 - Expect assembled boards by 10/1/00
- FPGA designs in development- B. Brown
- Test/Control software as well as simulation also far along





Additional Boards

- Clock/Control Board (2 available, 1 needed)
- Data Board TM (12 needed)
 - Assembling production boards at Illinois
 - 9 boards at FNAL (expect remainder next week)
- Clock/Track Trigger TM (2 needed)
 - 2 available, 1 in use at FNAL
 - 2 more need to be assembled
- Front Panels for all boards in fabrication



XTRP Software

- C++ XTRP simulation - J. Holliday
 - fully functional, generates XTRD banks
 - verified against existing java simulation
 - part of the TrigSim Offline package
- XTRP MON
 - work underway on monitoring code
 - part of TRIGMON package
- Run Control & Readout Software in development

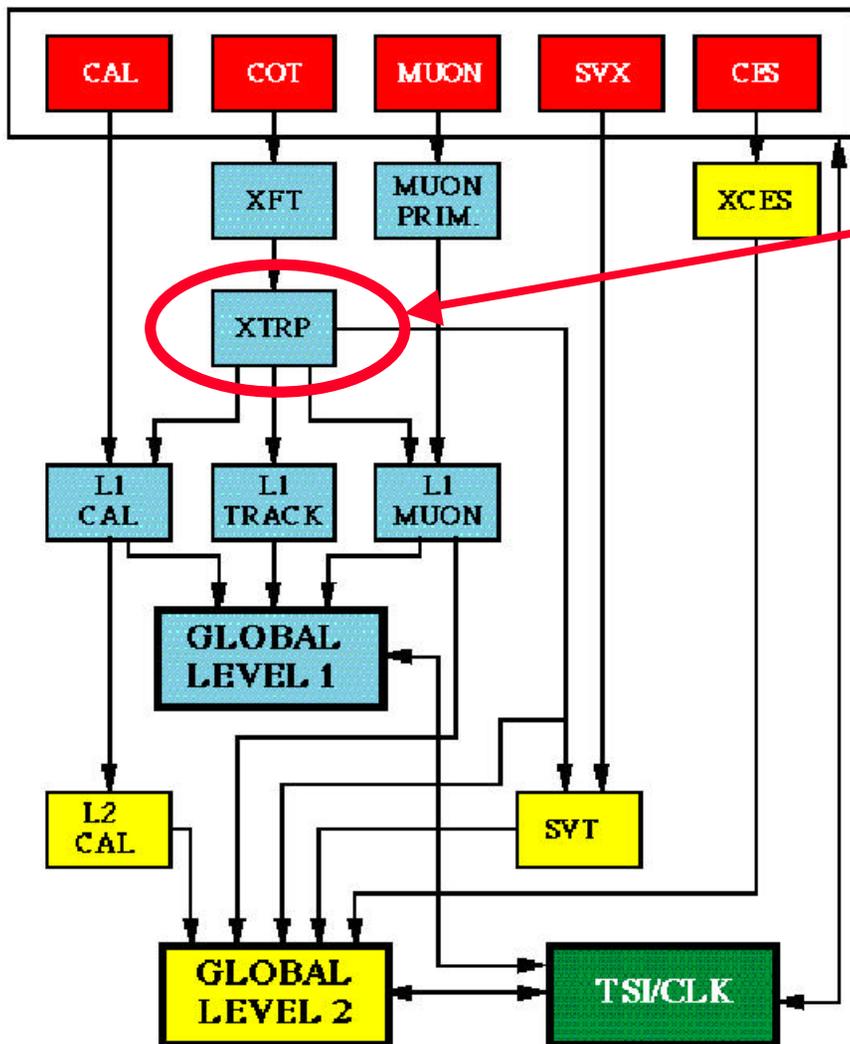


XTRP Summary

- Realistic assessment of functionality for Sept 1
 - Functional XTRP system with 2 data boards (60 degrees)
- Status of Run Control Software
 - Needs to be completed
- Status of TRIGSIM module
 - Complete
- Goals for the commissioning run
 - Time in system with actual collision data
 - Produce electron & muon triggers with tracking info



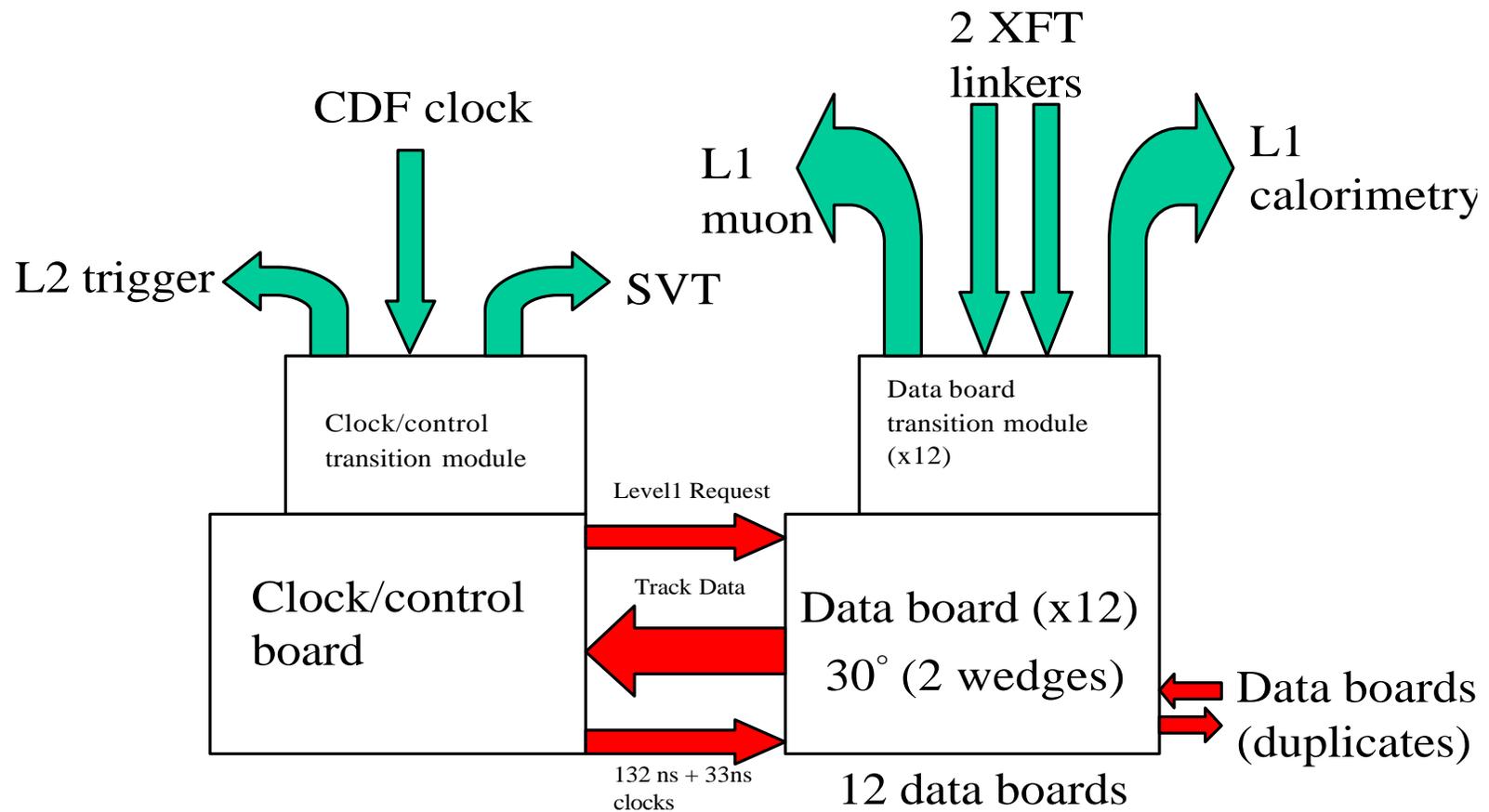
Trigger



- XTRP is the interface between tracks in the COT (XFT) and the remainder of the Level 1 trigger.
- XFT data input to the XTRP
- Output info to:
 - L1 calorimeter (extrapolate)
 - L1 muon (extrapolate)
 - Track Trigger (pass)
 - Global L1 & L2 (pass)
 - SVT (pass)



XTRP System



→ XTRP I/O
→ Internal communication

The XTRP System