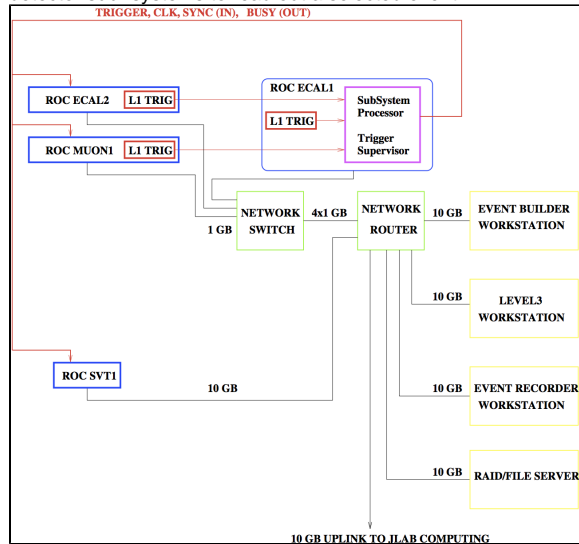


DAQ and Trigger

DAQ and Trigger

The HPS experiment data acquisition (DAQ) handles the acquisition of data for the three sub-detectors: the SVT, ECal and the Muon System. HPS employs two DAQ architectures: the SVT is readout with Advanced Telecom Communications Architecture (ATCA) hardware while the ECal and Muon System use VXS based hardware. The trigger system receives input from the ECal and Muon System, and distributes a trigger signal to all detector sub-systems to read out a selected event.



Components:

- CODA
- [SVT DAQ](#)
- Flash ADC
- Trigger

Documentation:

- [CODA Documentation](#)
- [Existing 1-bit trigger](#)
- [Specifications for FADC-based clusterer](#)
- [FADC firmware and data format](#)

Papers:

Talks:

- [Heavy Photon Search Electronics, DAQ, & Software \(G. Haller\)](#)

Subtopics: