

Conversion of Trigger Simulation to OO

Edward Moyse 11/5/2000

Main points:

- Work has begun on design. Lots more to do.
- ATLAS framework is not ready yet, however L1 sim will be fairly independent. Worth starting now.

Requirements: CRITICAL

The System Shall ...

- " Allow easy changing of menus/thresholds etc.
- " Work with fast/GEANT simulations
- " Output correct set of trigger bits to CTP (formatted as realistically as possible)
- " Output ROIs to level 2
- " Output all intermediate data which will be available from the final system

Requirements: USEFUL

The System Shall ...

- " Allow thresholds and algorithms to vary with coordinate/circumstances
- " Make it easy to change algorithm code
- " Fully simulate BCID system if pulse history available, or make reasonable approx. if not
- " Include extra information in ROI objects passed up
 - Pointer to tracks leading to ROI
 - Et

(Rough) diagram of EM/Tau trigger arrangement

