Firmware planning

Basline algorithms. Try full specification over all eta in 2nd round.

However, prototype implementation for barrel only.

Interfaces:

Incoming TOBs xxbit energy. Resolution .y GeV. Granularity .1x.1

Endcap/FCAL ?

Algorithms:

Energy:

Scalar Et and vector sums Ex, Ey. Any kind of jet energy sum (post clustering???)

Ex,Ey by multiplication by coefficient. resolution of coefficient : nn bit Result: resolution mm bit

Plain summation in 3 adder trees. Resulting 3 sums to Topo for final summation and calculation of sum, abs, direction.

Jet:

Gaussian weighting.