

EcalRawConverter

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Introduction

EcalRawConverterDriver currently does the following things:

- ▶ Pulse fitting
- ▶ Pedestal subtraction
- ▶ Gains
- ▶ Time walk corrections

Can this be broken into multiple drivers?

Proposed changes

- ▶ In all places where the EcalRawConverterDriver had been in the original steering files, replace it with
 - ▶ EcalRawConverterDriver: Pulse fitting and pedestal subtraction
 - ▶ EcalGainDriver: converts raw ADC counts to energy using gains from database (or other source specified in the steering file options)
 - ▶ EcalTimeCorrections: time walk corrections
- ▶ Make the intermediary collections transient.
- ▶ The name of the final collection in this list of drivers in reconstruction is EcalCalHits. This should NOT be changed, since DST maker and other things require the correct name for output collections.

I will make a separate branch with these changes in it, and if everyone is satisfied with it, I'll merge it with the trunk.

Affected Steering Files

a LOT of steering files, in

- ▶ analysis
- ▶ monitoring
- ▶ readout
- ▶ recon
- ▶ users (it will be the responsibility of the users to maintain their code).