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DQ Summary Columns

The Run number

The date form the timestamp of the first event in this run

Events

Number of events looped over

Clusters/evt

Mean number of total clusters per event. (including noise clusters)

#Noise/event

Mean number of noise clusters per event.

Clusters are considered noise if

$$\frac{S}{N} < \text{threshold}$$

Where the default threshold is set to 5 (2009) and 6 (2010).

Proc Eff / Proc Ineff

$$\frac{\text{Processing Efficiency}}{\text{number of total banks} - \text{number of corrupted banks} - \sum_{Banks} \text{fraction not recovered}} = \frac{\text{number of total banks}}{\text{number of total banks}}$$

For processing inefficiency, the processing efficiency is subtracted from 1 and the result displayed in scientific notation.

#ErrorBanks

Total number of error banks

#Corrupted

Total number of corrupted banks

#Missing

Total number of missing banks

Charge MPV

Most probable value for charge in clusters (truncated)

Calculated using a histogram with 1 ADC count bin with

Defaults: lowest bin = 15; highest bin = 45

Comments

This topic: LHCb > Dq-summary-col

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