



Support for Online Calibration in the ALICE HLT Framework

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Highlights

- Online calibration first deployed during the PbPb period in December 2015.
- Time dependent TPC calibration.
- 5 CPU cores per node (on 120 nodes) \rightarrow 31Hz, \sim 80Hz after some initial optimisation.
- \sim 3000 events per interval processed in 5 minutes.
- 140 seconds to distribute and prepare new transformation maps for online reconstruction.

- Procedure fully asynchronous and failure resilient.

- Calibration equivalent to offline within cluster resolution.

- Running ever since, TPC continuously updating it's calibration.
- currently load in pp $<$ 3 cores per node.