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Re-timing testbeam data

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A description of why and how to re-time test beam data, based on limited length timestamps.

Summary

After successful operation of a 2015 test beam at DESY it was found that the recorded data had extra triggers mixed into the DUT data, which introduced an event offset in the EUDAQ data written to disk. Using raw log files from the DUT DAQ, a re-timing of the available data was performed to best extent, which will be described here. Indications on how to feed appropriate data into the EUDAQ file format will be given, allowing to post-process this re-timing from EUDAQ files only in the future.

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