

Changes in Trigger for v4.4.0

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DEEP UNDERGROUND
NEUTRINO EXPERIMENT

- New CTB module to process CTB signal coming as HSIEvents.
 - Includes move of 'trigger_types' from 16 to 64 bits to accommodate the many new trigger types.
 - PRs: [trigger:288](#), [trgdataformats:16](#), [daqdataformats:53](#), [daqconf:441](#), [fddaqconf:30](#)
- Integrating PNS signal into TimingTCMaker, refactoring the configuration.
 - PRs: [trigger:287](#), [daqconf:437](#), [trgdataformats:13](#)
- Initial working replay application.
 - PRs: [trigger:272](#)
- Refactor of the emulation tools, adding latency measurements.
 - Entire [trgtools](#) repository.
- Many smaller changes/fixes.
 - E.g. logging rework, max TOT filtering, MLT livetime accounting bug, unit test fixes etc.

- New ChannelDistance algorithm.
 - PRs: [triggeralgs:60](#), [daqconf:436](#), [triggeralgs](#)
- New BundleN algorithm for debugging.
 - [triggeralgs:62](#), [daqconf:439](#), [trgdataformats:15](#)
- Explicit TC maker for DBSCAN algorithm.
 - [triggeralgs:61](#), [daqconf:438](#), [trgdataformats:14](#)
- New HMC-based TrackFinding algorithm (PRs pending, name not final).
 - [triggeralgs:63](#), [trgdataformats:17](#)