

The Alice CTP Upgrade

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After three years of successful operation of Alice Central Trigger Processor (CTP) system for proton-proton, Pb-Pb and p-Pb collisions, the Alice CTP is going to be upgraded with a new first level trigger (L0) board in order to improve the performance of the Alice trigger system. The new first level trigger (L0) trigger board will include several new features: an additional trigger level "LM", which will precede the L0 trigger and will improve efficiency of data taking for the Transition Radiation Detector (TRD); a new 10G Ethernet link for CTP readout and control; an extension of the number of clusters and classes. In addition to these changes, which will come into effect in 2014 at the end of iLong Shutdown 1i (LS1), the first ideas for a CTP upgrade after iLong Shutdown 2i (LS2) in 2018 will also be presented.

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