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Performance of the ATLAS Trigger System

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a L1 Accept (L1A) decision. L1A and timing information is sent to all sub-detectors. Summary information is sent to the subsequent levels of the trigger system.

We will demonstrate that the ATLAS trigger performed smoothly throughout 2010 and 2011, showing the evolution with the increasing LHC luminosity ($10^{32}-10^{33} cm^{-1} s^{-1}$) in

order to maintain a high selection efficiency. A large part of the talk will be devoted to recent improvements of the L1 trigger system.

Summary 500 words

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