

Status of the ATLAS experiment

The ATLAS Experiment at the CERN Large Hadron Collider was operated with colliding proton beams at 7 TeV center of mass energy since March 2010. It will study a broad range of particle physics at the highest available laboratory energies, from measurements of the standard model to searches for new physics beyond the standard model. At the time of writing ATLAS, with high data taking efficiency, has integrated a luminosity of 330 nb⁻¹, which allowed already observation and measurement of standard model processes, like vector boson and top production. Detector status, event reconstruction and particle identification performance in this first period of operation will be presented together with the first physics results.

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