

PHYSICS AND ASTRONOMY SEMINAR

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“Operation and performance of the ATLAS Detector in LHC Run II”

Abstract

The ATLAS detector recorded approximately 34 inverse femtobarns of good quality pp collision data at a centre of mass energy of 13 TeV during 2016. This was made possible due to the excellent LHC performance and the high data-taking efficiency of 92.4% achieved at ATLAS. There is significant involvement from Canadian institutes in the areas of trigger operations, inner detector performance, muon spectrometer performance and the operation of and data quality assessment for the liquid argon calorimeter. At the end of the 2016 data-taking