



Contribution ID: 125

Type: **not specified**

New Physics with ATLAS: experimental prospects

Friday, 10 December 2010 16:15 (25 minutes)

During 2010 the ATLAS detector has collected $\sim 40\text{-pb}^{-1}$ of proton-proton collisions at $\sqrt{s}=7\text{-TeV}$. These data have been used for a wide range of Exotic searches such as high-mass final states and contact interactions. Early inclusive SUSY searches have been also performed for a wide range of final states. The most recent results for search of physics beyond the Standard Model with the ATLAS detector are presented. Prospects for physics searches in view of higher luminosity scenarios will be discussed together with the most relevant experimental aspects and recent performance results.

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Session Classification: Experimental Prospects at LHC, Superflavor factories and new facilities (2)

Track Classification: Experimental prospects at LHC, Super flavour factories, and new facilities