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Type: **Invited Oral**

LHC detectors overview with emphasis on ATLAS

Tuesday 13 September 2011 11:10 (40 minutes)

The talk will overview the big variety of detectors deployed by the experiments at LHC, their performance and few example of physics results obtained so far, with emphasis on techniques and results in ATLAS. An analysis and a comparison will be done to show the reasons of the choices made. Finally a roadmap of the foreseen improvements and upgrades will be covered.

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