



COLLOQUIUM DI FISICA

Giovedì 26 febbraio 2015, ore 15.00
aula "A. Rostagni"

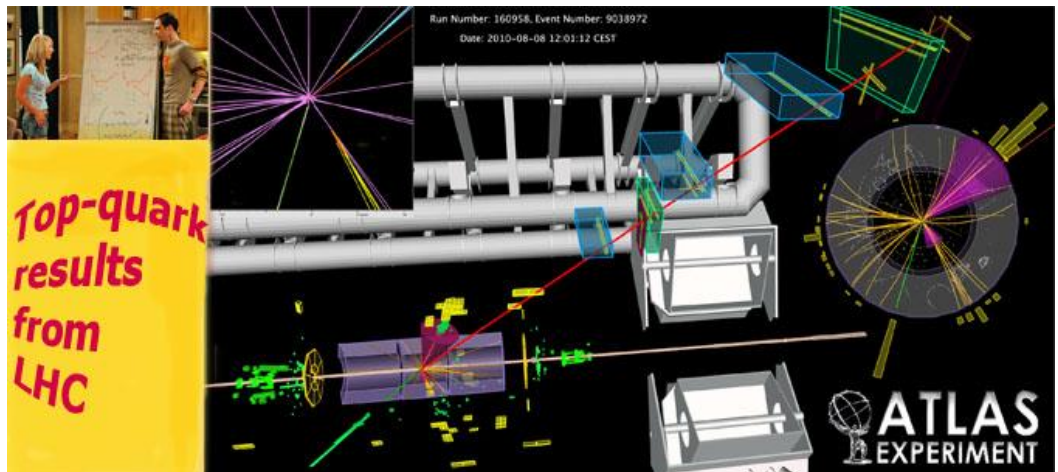
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Top-quark results from LHC

ABSTRACT :

The top quark was discovered about 20 years ago at the Tevatron. It is the heaviest particle in the



Standard Model and, unlike lighter quarks, decays before forming composite states. This feature provides a unique opportunity to access directly the quark's properties by studying its decay products. Being the heaviest known particle, it has a very large coupling with the Higgs boson, and many new physics models foresee special signals involving top quarks.

The results achieved at LHC on top physics reach and in many cases surpass the precision achieved at Tevatron and open a window on new physics searches in top-quark production.