

Mercoledì 29 maggio 2013

ore 16.00

Sala Azzurra

Palazzo della Carovana

Piazza dei Cavalieri

Colloqui della Classe di Scienze

Anno Accademico 2012/2013



SCUOLA
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SUPERIORE

SCUOLA NORMALE
SUPERIORE

FABIOLA GIANOTTI

CERN

*Higgs boson: foundations and implications
of a very special discovery*

ABSTRACT

On 4 July 2012, the ATLAS and CMS experiments operating at the CERN Large Hadron Collider announced the discovery of a new particle compatible with the Higgs boson, which is a crucial piece for our understanding of Fundamental Physics and thus of the structure and evolution of the Universe.

This Colloquium describes the unprecedented instruments and challenges that have allowed such an accomplishment, the physical meaning and relevance of this discovery, and the present understanding of the properties of this very special particle.