



# PHYSICS AND ASTRONOMY SEMINAR

## Dr. Manuela Venturi

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### “Measurement of the Higgs-boson properties with the ATLAS detector at the LHC”

#### Abstract

A detailed review on the properties of the Higgs boson, as measured with the ATLAS experiment at the LHC, will be given. The results shown here use approximately 25 fb<sup>-1</sup> of pp collision data, collected during RUN 1 at 7 TeV and 8 TeV in 2011 and 2012. The measurements of the mass, couplings properties and main quantum numbers will be presented. Prospects for Run 2, which started on June 3<sup>rd</sup>, 2015, will be reviewed.

Wednesday, June 24, 2015

1:30 p.m.

Engineering/Computer Science Building

Room 108