



PHYSICS AND ASTRONOMY SEMINAR

Dr. Manuela Venturi

University of Victoria (based at CERN, Geneva)

“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⁻¹ 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 3rd, 2015, will be reviewed.

Wednesday, June 24, 2015

1:30 p.m.

Engineering/Computer Science Building

Room 108