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WW Cross Section Measurement and Limits on Anomalous TGCs with the ATLAS Detector

Friday 12 August 2011 10:30 (20 minutes)

I will report on measurement of the WW production cross section
and associated limits on anomalous couplings using LHC proton-proton
collision data collected by the ATLAS Detector at 7 TeV center-of-mass
energy. The production cross section was measured in the WW leptonic
decay channels. Precise measurement of the triple-gauge-boson couplings
is a stringent test of the Standard Model and also a sensitive probe
to new physics in the bosonic sector that could provide complementary
information to direct searches for new physics at LHC. Results about
the WWgamma and WWZ triple-gauge-boson coupling limits will be presented.

Author: Dr YANG, Haijun (University of Michigan)

Presenter: Dr YANG, Haijun (University of Michigan)

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