

Measurement of Di-Boson production at LHC

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Di-Gauge Boson in the LHC will be discussed. The measurements of cross sections and triple gauge couplings(TGC) at early stage of data taking will be described as well as di-boson polarization and TGC at high luminosity. The selection for the cross section measurements will be shown as well as the transverse mass variable used for the WW TGC measurement. A comparison between LHC limits and limits obtained from the Tevatron and LEP2 will be shown. For the case of the ZZ and WZ polarization measurements the reconstruction of the decay angle used for extracting the polarization will be discussed and the longitudinal polarization will be shown as a function of the centre of mass energy. All results were achieved by using the full detectors simulation program.

Primary author: Dr BRODET, Eyal (Tel-Aviv University)

Presenter: Dr BRODET, Eyal (Tel-Aviv University)

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