



Contribution ID: 29

Type: **Talk in Parallel Session at DIS2013**

Looking at the photoproduction of massive gauge bosons at the LHeC

Thursday 25 April 2013 09:15 (25 minutes)

In this contribution we investigate the photoproduction of massive gauge bosons, W^\pm and Z^0 , as part of relevant physics topics to be studied in the proposed electron-proton collider, the LHeC. The estimates for production cross sections and the number of events are presented. In addition, motivated by the intensive studies to test the deviations from the Standard Model at present and future colliders, we discuss the W^\pm asymmetries and perform an analysis on the role played by anomalous $WW\gamma$ coupling.

Author: Prof. MACHADO, Magno (IF-UFRGS)

Co-author: Prof. BRENNER MARIOTTO, Cristiano (FURG)

Presenter: Prof. MACHADO, Magno (IF-UFRGS)

Session Classification: WG7: Future experiments

Track Classification: Future experiments