Contribution ID: **84** Type: **Poster**

# Measurement of non-prompt J/$\psi$ contribution at midrapidity in p-Pb collisions with ALICE

*Tuesday 20 May 2014 16:30 (2 hours)*

The ALICE experiment at CERN is one of the main LHC experiments and it is dedicated to study the quark-gluon plasma. It is the only experiment that measures the charmonium production at central rapidities ($|y| < 0.9$) down to transverse momenta $p_{\rm T} = 0$ GeV/$c$ in pp, p-Pb, and Pb-Pb collisions. In particular the charmonium state is detected at midrapidity via its $e^+e^-$ decay channel.
Furthermore, ALICE can separate the non-prompt J/$\psi$ component thus allowing for a measurement of the beauty production down to low $p_{\rm T}$. The results obtained in pp and Pb-Pb will be reviewed. Inclusive J/$\psi$ production has been measured in p-Pb collisions at the center-of-mass energy $\sqrt{s_{\rm NN}} = 5.02$ TeV on an integrated luminosity of $\mu b^{-1}$. The status of the analysis of the secondary J/$\psi$ extraction from the inclusive J/$\psi$ yield in p-Pb will be discussed.

## On behalf of collaboration:

ALICE

**Author:** MASTROSERIO, Annalisa (Universita e INFN (IT))

**Presenter:** MASTROSERIO, Annalisa (Universita e INFN (IT))

**Session Classification:** Poster session

**Track Classification:** Open Heavy Flavour and Quarkonia