



Contribution ID: 93

Type: **Parallel Talk**

B physics and Quarkonium results from CMS

Thursday 7 June 2012 18:20 (30 minutes)

Using large data samples of di-muon events, CMS has performed detailed measurements in the field of quarkonium production. Differential cross-sections of J/ψ , $\psi(2S)$ and $Y(nS)$ states in p_T and rapidity will be presented, separated in prompt and non-prompt contributions for the charmonium case: experimental results are compared with recent predictions in the context of NLO nonrelativistic QCD and the FONLL scheme. Studies of P-wave charmonia and bottomonia ($\chi_{c,b}$), using the decay mode $(J/\psi, Y) + \gamma$ where the photon converts in an e^+e^- pair inside the detector, will be also discussed.

E-mail Address

roberto.covarelli@cern.ch

Collaboration Name
Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration

CMS Collaboration

Author: COVARELLI, Roberto (University of Rochester (US))

Presenter: COVARELLI, Roberto (University of Rochester (US))

Session Classification: 4D: (Parallel) B, Charm and Onia II

Track Classification: Heavy Flavour Physics