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B physics and Quarkonium results from CMS

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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 (χ_{c0} , χ_{c1}), using the decay mode $(J/\psi, Y) + \gamma$ where the photon converts in an e^+e^- pair inside the detector, will be also discussed.

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

CMS Collaboration

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