

Quarkonia studies at CMS

Thursday, 8 September 2011 09:30 (20 minutes)

Using the 2010 data set of proton-proton collisions at a centre-of-mass energy of 7 TeV the CMS experiment has performed a wide range of measurements of quarkonia states which are being updated and extended with new data. This talk will summarize the CMS results on the differential cross sections and spin alignment of charmonium and bottomium states and compare them with other measurements and theoretical predictions. Results on B to J/psi and B to psi(2S) fractions and on the relative production cross section for X(3872) will also be shown. Finally a short comparison with quarkonia measurements in lead-lead collisions will be presented.

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