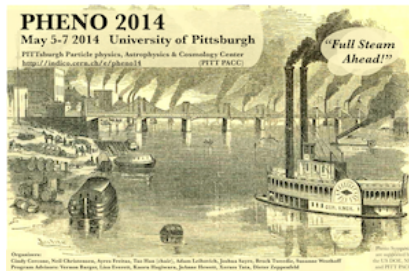


Phenomenology 2014 Symposium



Contribution ID: 27

Type: **not specified**

Quarkonia production at LHCb

Tuesday, 6 May 2014 17:45 (15 minutes)

Studies of quarkonia production in the forward region provide important tests of NRQCD. The LHCb experiment has collected a dataset corresponding to an integrated luminosity of about $3/\text{fb}$ in proton-proton collisions at $\sqrt{s}=2.76, 7$ and 8 TeV. We present studies of the production and polarisation of the J/ψ , $\psi(2S)$ and χ_c charmonium states as well as those of Upsilon and χ_b bottomonia. Absolute and relative production cross-sections are presented and compared to the most recent theoretical predictions when available.

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Session Classification: QCD