

ICHEP2012



Contribution ID: 553

Type: **Parallel Sessions**

Onia production and polarisation at LHCb

Saturday, July 7, 2012 2:30 PM (15 minutes)

Studies of quarkonia production in the forward region provide important tests of perturbative QCD. We present studies of the production of charmonia and bottomonia in the LHCb detector, using data from proton-proton collisions at a range of centre-of-mass energies. The results are compared to recent theoretical predictions. Absolute and relative production cross-sections are presented for both S-wave and P-wave onia states. We also present studies of onia polarisation and double charm production, the latter performed for the first time at a hadron collider.

Primary author: Prof. GIBSON, Valerie (University of Cambridge (GB))

Presenter: Prof. GIBSON, Valerie (University of Cambridge (GB))

Session Classification: Room 217 - Education & Outreach - QCD, Jet, Parton Distributions - TR15&6

Track Classification: Track 6. QCD, Jets, Parton Distributions