

chi_c and chi_b studies at ATLAS

Tuesday 9 April 2013 13:30 (12 minutes)

Many years on from the discovery of the J/psi, our theoretical understanding of quarkonium production at hadron experiments is still far from satisfactory. The large data samples gathered at the LHC during 2010-2012, in conjunction with recent advances in theory, represent a fantastic opportunity for the LHC experiments to contribute to the improvement of this situation. The P-wave quarkonium states, including the chi_c and chi_b, play a significant role in the overall picture of quarkonium production at the LHC. I will present studies of the chi_c and chi_b states at ATLAS and discuss how these results can contribute to our wider understanding of quarkonium production at the LHC.

Primary author: CHISHOLM, Andrew Stephen (University of Birmingham (GB))

Presenter: CHISHOLM, Andrew Stephen (University of Birmingham (GB))

Session Classification: Track 4

Track Classification: Parallel Track 4