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## **chi\_c and chi\_b studies at ATLAS**

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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.

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