Type: Talk at plenary session

Quarkonium+ γ production in γ -proton interactions at LHC

Wednesday, 12 September 2012 08:50 (20 minutes)

Summary

The quarkonium plus photon production in coherent hadron - hadron interactions at LHC is studied using the non-relativistic QCD (NRQCD) factorization formalism. Considering two different sets of NRQCD matrix elements we estimate the rapidity distribution and total cross sections for $J/\Psi+\gamma$ and $\Upsilon+\gamma$ production. Our results demonstrate that the experimental analysis of this process is feasible and that it can be used to constrain the matrix elements.

Primary author: Dr MELO MACHADO, Mairon (IF FARROUPILHA, Campus São Borja)

Co-author: Dr GONÇALVES, Victor (IFM - UFPel (Instituto de Física e Matemática da Universidade Federal de

Pelotas))

Presenter: Dr MELO MACHADO, Mairon (IF FARROUPILHA, Campus São Borja)

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