

The logo for QCD@LHC2022 is a brown rectangular box containing the text "QCD@LHC2022" in large white bold letters, followed by "28 November 2022 to 2 December 2022" and "IJCLab Orsay, France" in smaller brown bold letters.

QCD@LHC2022

28 November 2022 to 2 December 2022
IJCLab Orsay, France

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Associated production of J/psi plus W or Z at NLO and implications on NRQCD factorization.

Tuesday 29 November 2022 16:20 (15 minutes)

We present our next-to-leading order (NLO) calculation of associated hadroproduction of J/psi plus W or Z bosons within the factorization framework of nonrelativistic QCD (NRQCD). We compare to ATLAS data using various sets of nonperturbative long distance matrix elements (LDMEs) as input, thereby opening up a completely new angle in the ongoing quest to understand whether the LDMEs are universal or not. We give an overview of how these NLO universality tests now unfold after inclusion of our new results.

Declaration

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

Change of Speaker

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

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