

Abstract Submitted
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First NLO calculation of quarkonium polarization in the improved color evaporation model¹ VINCENT CHEUNG, University of California, Davis, RAMONA VOGT, Lawrence Livermore National Lab and University of California, Davis — One of the best ways to understand hadronization in QCD is to study the production of quarkonium. The color evaporation model (CEM) and Nonrelativistic QCD (NRQCD) can describe production yields rather well but spin-related measurements like the polarization are stronger tests. In this talk, we will present the first NLO calculation of quarkonium polarization in the improved color evaporation model (ICEM) by considering all diagrams at the order of α_s^3 and integrating over all color states.

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Vincent Cheung
University of California, Davis

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