

Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Search for Double J/Psi Resonances in CMS at the LHC¹ ANDREW YORK, University of Tennessee, CMS B-PHYSICS GROUP COLLABORATION — We have analyzed an integrated luminosity of 4.5 fb^{-1} of proton-proton collision data from the LHC with the CMS detector in search for the J/Psi J/Psi decay of the eta-b meson, the pseudo-scalar ground-state of bottomonium. The cross-section times decay width is predicted at a level of 10^{-4} to 10^{-8} . We perform a maximum likelihood fit to the 4-muon invariant mass and the decay length to extract the signal yield.

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Date submitted: 21 Dec 2011

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