

w.goe



Characteristics of charmonium production in Pb—Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured with ALICE

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Some time ago ...





$J/\psi R_{AA}$ from RHIC to LHC





- LHC data show <u>less</u> J/ψ suppression at $p_T < 8$ GeV/c than
 - RHIC data
 - expected from colour screening

So where do the J/ψ come from?





A possible solution...(re)combination



P. Braun-Munzinger, J. Stachel, Phys. Lett. B 490 (2000) 196 R.L. Thews, M. Schroedter, J. Rafelski, Phys. Rev. C 63 (2001) 054905



(Re)combination of cc-quarks



Models containing a (re)combination component can explain the data

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(Re)combination of cc-quarks



Due to the uncertainties no discrimination power between the models

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Extended J/ ψ observables





More discrimination power at the poster