

## The role of parton shadowing in the comparison of p-A and A-A results on J/psi suppression at SPS energies

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The observation of an anomalous jpsi suppression in nucleus-nucleus collisions is one of the most important results of the SPS heavy-ion program. An essential ingredient in this result is the determination, obtained by studying p-A collisions, of cold nuclear matter effects. These effects are extrapolated to A-A collisions, determining a reference jpsi yield that is then compared with the measurements. In this article we investigate the role of parton shadowing on the determination of such a reference, and we calculate its effect for In-In and Pb-Pb collisions as a function of rapidity and centrality, for various nPDF parametrizations.

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