

Effect of Nuclear Binding Energy to K Factor

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Abstract: We modify the square of virtual photon four-momentum by using nuclear binding energy formula, and calculate the effect of nuclear binding energy to K factor and Compton subprocess and annihilate subprocess in A-A collision Drell-Yan process. The outcome indicates that the effect of nuclear binding energy to K factor is obvious in little x region and it would disappear gradually as x increases.

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Key words: Drell-Yan process, nuclear binding energy, K factor

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