核物理

不同能量下核束缚能的影响

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2 河北师范大学物理学院, 河北 石家庄 050016) 收稿日期 修回日期 网络版发布日期 接受日期 摘要

中湮灭项和康普顿散射项及K因子的影响。 结果表明, 核束缚能在小x区域对反应截面中湮灭项和康普顿散射项 相关信息 及K因子的影响明显, 并且能量越低这种影响越显著, 随着x2增大影响逐渐消失。

We made a revision of square of virtual photon four momentum by means of using nuclear bin 文章 ding energy formula in different energy, and we also made an accurate calculation for the 本文作者相关文章 effect of nuclear binding energy on K factor and Compton term and annihilate term in the Drell Yan process of the Sn Sn collision. The outcome indicates that the effect of nuclear binding energy on the annihilate term and the Compton term is marked in little x region and the effect will become more obvious with decrease of the energy and come to disappear with increase of the x.

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Drell Yan过程; 量子色动力学; 核束缚能 关键词

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