

Abstract Submitted
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Bc absorption cross sections by light mesons in heavy ion collision

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— In relativistic heavy ion collision the production of strangeness would saturate, as a sign of quark-gluon plasma, leading to the fireball of matter expanding and finally breaking apart. That in turn would provide very high abundance of strange hadrons along with other particles. The interaction of those hadrons would be useful in calculating their production rate. The cross sections of Bc absorptions by pion- ρ - and K- mesons have been calculated using hadronic Lagrangians based on SU(5) symmetry. The comparison of those cross sections shows some interesting anomalies, which will be discussed.

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