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Hadroproduction and production on nuclear targets of phi-mesons in the Quark-Gluon String model

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We use the Quark-Gluon String Model to obtain a quantitatively good description of the phi-meson production experimental data in hadron-nucleon collisions on the spectra of secondary phi, as well as on the ratios of phi/pi- and phi/K-production cross sections, for a wide energy region. We also consider the experimental data on phi-meson production on nuclear targets, and we find that they present unusually small shadow corrections for the inclusive density in the midrapidity region.

Summary

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