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[CONTRIBUTION WITHDRAWN] Medium-induced modification of kaon spectra measured in semi-inclusive deep-inelastic scattering at HERMES

Besides a rich polarized-target program, the HERMES experiment at HERA took a wealth of deep-inelastic scattering (DIS) data on light and heavy nuclear gas targets. Together with an excellent hadron identification, this allowed the study of medium-induced flavor conversion in semi-inclusive DIS. A
predicted high sensitivity of the nuclear modification factor for K^- in semi-inclusive DIS in respect to the medium-induced flavor conversion is observed for the first time experimentally at HERMES when comparing hadron production on heavy targets to that on a deuterium target. Instead of increased
suppression, like for other hadrons (pions and K^+), due to parton-energy loss of the leading quarks, the nuclear modification factor for K^- exhibits a rise at large values of x_B and z due to the proliferation of the K^- constituent quarks s and $\bar{u}$ and gluons from the induced flavor conversion, which counters the effect of parton-energy loss. The results of the measured x_B spectra on three nuclear targets (Ne, Kr and Xe), as well the
measured z spectra at different x_B slices will be presented and discussed.

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