

Scaling ratios for hadron-nucleus scattering at $x_B > 1$

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A very wide range of inclusive hadron continuum scattering and charge exchange spectra from complex nuclei has been transformed into the Bjorken scaling format, similar to that used for electron scattering spectra.¹ Ratios of these responses for heavy nuclei compared to those for light nuclei are presented for $x_B > 1$, where the probes are scattered from more than a single nucleon, for instance as a result of correlations among the nuclei. The mass dependences of these ratios are found to be very similar for many hadron probes to the ratios found by electron scattering.²

1. J. Arrington et al., Phys. Rev. C 64, 014602 (2001).

2. K. Sh. Egiyan et al., Phys. Rev. C 68, 014313 (2003)