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## Scaled Momentum Distributions for $K^0_s$ and $\Lambda/\text{anti-}\Lambda$ in DIS at HERA

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Scaled momentum distributions for the strange hadrons  $K^0_s$  and  $\Lambda/\text{anti-}\Lambda$  were measured in deep inelastic ep scattering with the ZEUS detector at HERA using an integrated luminosity of 330 pb<sup>-1</sup>. The evolution of these distributions with the photon virtuality,  $Q^2$ , was studied in the kinematic region  $10 < Q^2 < 40000 \text{ GeV}^2$  and  $0.001 < x < 0.75$ , where  $x$  is the Bjorken scaling variable. Clear scaling violations are observed. Predictions based on different approaches to fragmentation were compared to the measurements. Tuned leading-logarithm parton-shower Monte Carlo calculations interfaced to the Lund string fragmentation model describe the data reasonably well in the whole range measured. Next-to-leading-order QCD calculations based on fragmentation functions, FFs, extracted from e+e- data alone, fail to describe the measurements. The calculations based on FFs extracted from a global analysis including e+e-, ep and pp data give an improved description. The measurements presented in this paper have the potential to further constrain the FFs of quarks, anti-quarks and gluons yielding  $K^0_s$  and  $\Lambda/\text{anti-}\Lambda$  strange hadrons.

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