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Leading protons at ZEUS

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The semi-inclusive reaction ep->eXp, with a final-state proton carrying a
large fraction of the incoming proton energy, xL>0.32, and trasverse-momentum squared
pTˆ2<0.5 GeVˆ2, was studied with the ZEUS detector at HERA for exchnged photon virtualities
Qˆ2>3 GeVˆ2 and mass of the photon-proton system 45<W<225 GeV, using an integrated luminosity of 12.8pb-1. Leading-proton production cross section and its ratio to the inclusive
DIS cross section are presented as a function of xL, pTˆ2, Qˆ2 and the Bjorken scaling variable.

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