

Measurement of the longitudinal proton structure function at HERA

Tuesday 18 August 2009 14:00 (1 minute)

Please give a brief summary of your poster

The reduced cross sections for ep deep inelastic scattering have been measured with the ZEUS detector at HERA at three different centre-of-mass energies, 318, 251 and 225 GeV. From the cross sections, measured double differentially in Bjorken x and the virtuality, Q^2 , the proton structure functions F_L and F_2 have been extracted in the region $0.0005 < x < 0.007$ and $20 < Q^2 < 130 \text{ GeV}^2$.

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Session Classification: Poster Session

Track Classification: Poster Session