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Measurement of the neutral current deep inelastic scattering cross-sections at high y and low Q2

Content :
The measurements of the reduced cross sections for e+p deep inelastic scattering at high inelasticities y for three different centre-of-mass energies, 318, 251 and 225 GeV have been extended to lower momentum transfered squared, Q^2. The analysis of satellite vertex events allows to extend the cross section measurement at high y down to Q^2 = 5 GeV^2, substantially lower than the previously published cross section measurements from which the longitudinal structure function, FL, was extracted.

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Comments :

These results are presented on behalf of the ZEUS Collaboration