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Combination of F_2^{cc} from DIS measurements at HERA

Content :

The charm contribution F_2^{cc} to the proton structure function F_2 is determined. The results of D meson production cross section measurements are combined with the measurements using semi-leptonic decays into muons as well as inclusive track measurements. The correlations of the systematic uncertainties between different measurements are taken into account. The data cover the kinematic range of photon virtuality $2 < Q^2 < 1000 \text{ GeV}^2$ and Bjorken scaling variable $10^{-5} < x < 10^{-1}$.

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Comments :

These results are presented on behalf of the H1 and ZEUS Collaborations