Contribution submission to the conference München 2009

Measurement of the longitudinal proton structure function F_L at high Q^2 at HERA. — •Stanislav Shushkevich and Vladimir Chekelian — Max-Plank-Institut für Physik (Werner-Heisenberg-Institut), Föchringer Ring 6, 80805 München, Deutschland.

Data taken in 2007 with the H1 detector at HERA at a positron beam energy of 27.5 GeV and proton beam energies of 920, 575 and 460 GeV are used to measure inclusive deep inelastic neutral current *ep* scattering cross section at high Q^2 and determine the longitudinal structure function $F_L(x, Q^2)$ in a model independent way. The measured longitudional structure function is compared with QCD predictions.

Part:	**T**
Type:	**Vortrag;Talk**
Topic:	**2.2 QCD Partonstruktur (Exp.)**
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