Registration for the Spring-Meeting of the
German Physical Society
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in berlinhkt

Measurement of the neutral current *ep* cross section using longitudinally polarised positron beam at HERA II — •Andrei Nikiforov and Vladimir Chekelian for the collaboration — Max-Planck-Institut für Physik, München, Germany

Data taken with the H1 detector, for longitudinally polarised positrons in left and right handed states in collision with unpolarised protons at HERA, are used to measure the cross sections for e^+p neutral current deep inelastic scattering at a center-of-mass energy of $\sqrt{s} = 319$ GeV. The measured cross sections are compared with the predictions of the Standart Model.

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Subject:	Structure functions
Presentation:	Talk
Email:	nikifor@mail.desy.de
Membership:	none