Anmeldung zur Fruehjahrstagung der
Deutschen Physikalischen Gesellschaft
vom 29.03. bis 01.04.2004
in Mainz

Study of D^* meson production in diffractive deep-inelastic scattering at HERA.

- Svetlana Vinokurova for H1 Collaboration,
  DESY Hamburg, FH1

Diffractive events are characterized experimentally by a large rapidity gap where no particles are observed. They are attributed to the exchange of a colorless object, which can be interpreted as a pomeron $I\!P$. A measurement is presented for D^* production based on an analysis of 1999-2000 data from H1 detector. The cross section is measured in the diffractive kinematic range with mass of the proton remnant system $M_Y <$ 1.6 GeV, $\mid t \mid < 1 \ GeV^2$ and $x_{I\!P} <$ 0.04.

Ort :	Mainz
Datum:	29.03. - 01.04.2004
Fachverband:	Teilchenphysic
Themenkreis:	Schwere Quarks
Beitragsform:	Vortrag
Email:	vinokuro@mail.desy.de
Mitgliedsstatus:	-