



Contribution ID: 286

Type: **Oral presentation**

Dipole model analysis of high precision HERA data

Thursday 1 May 2014 12:00 (20 minutes)

We analyse, within a dipole model, the inclusive DIS cross section data, obtained from the combination of the H1 and ZEUS HERA measurements. We show that these high precision data are very well described within the dipole model framework, which is complemented with a valence quark structure functions. We discuss the properties of the gluon density obtained in this way.

Primary authors: LUSZCZAK, Agnieszka; KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Presenter: KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Session Classification: WG2: Small-x, Diffraction and Vector Mesons

Track Classification: WG2: Small-x, Diffraction and Vector Mesons