



Contribution ID: 45

Type: **Poster**

Nucleon electromagnetic structure functions in extremely small x-region

Tuesday, 29 June 2010 16:30 (1 hour)

We present results of calculations of transverse and longitudinal cross sections of photoabsorption on the nucleon target, in a broad region of very small Bjorken x values and not very large photon virtualities, using the two-component model developed by authors in their previous works. The model is based on the generalized vector dominance concept and color dipole approaches. The detailed comparison of the theoretical predictions with the HERA data is given.

If this is a contributed presentation, please indicate preference for Oral (O) or Poster (P):

P

Primary author: Prof. BUGAEV, Edgar (Institute for Nuclear Research)

Co-author: Dr MANGAZEEV, Boris (Irkutsk State University)

Presenter: Prof. BUGAEV, Edgar (Institute for Nuclear Research)

Session Classification: Poster Session I

Track Classification: Muons