

PHOTONUCLEAR INTERACTION OF MUONS AND GENERALIZED VECTOR DOMINANCE MODEL.

E.V. Bugaev (1) and Yu. V. Shlepin (1)

(1) Institute for Nuclear Research, Russian Academy of Sciences, Moscow 117312, Russia.

`bugaev@pcbai10.inr.ruhep.ru`

Possibility of a description of the photonuclear interactions of high energy muons using generalized vector dominance model (GVDM) is discussed. It is shown that the consistent GVDM scheme (i.e., the scheme which operates with more or less realistic vector mesons rather than with effective ones) alone is not able to describe the photonuclear interactions at very high energies of muons. Two-component picture of photonuclear interaction (GVDM + perturbative QCD) is proposed.