

TEST OF PRIMARY MODEL PREDICTIONS BY EAS SIZE SPECTRA

S.V. Ter-Antonyan (1) and P.L. Biermann (2)

(1) Yerevan Physics Institute, 2 Alikhanian Br. Str., 375036 Yerevan, Armenia,

(2) Max-Planck-Institute für Radioastronomie, Auf dem Hügel 69, D-53121 Bonn, Germany.

`samvel@jerewan1.yerphi.am`

High statistical accuracy of experiments KASCADE and ANI allowed to obtain approximations of primary energy spectra and elemental composition in the "knee" region. Obtained results point out to the correctness of QGSJET interaction model and 2-component model of primary cosmic ray origin up to 100 PeV energies.