## CONVERTING $N_E$ TO $E_0$ BY A CORRELATION $E_0-N_E$ MODULATED BY $N_\mu/N_E$ ABUNDANCE BY USING GAMMA FACILITY MEASUREMENTS AND CORSIKA SIMULATIONS

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The comparison of measured (experimental data of GAMMA facility on Mt. Aragads (3200m a.s.l.)) and simulated (CORSIKA 5.62 code) muon LDFs for 2.5 GeV and 5 GeV muon cut-off energies in the energy range  $1.5 \cdot (10^5 \div 10^7) \text{GeV}$  is done. The appropriate estimated energies for the experimental shower sizes have been calculated by formula  $E_0 = [a \ln \left(\frac{n_{\mu}}{n_e}\right) + b] n_e$  and chosen in such a manner that they fall into corresponding intervales of simulated primary energies.