

APPROXIMATION OF INDIVIDUAL CASCADES WITH ENERGIES ABOVE THE GZK CUT

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Approximation of individual cascades of gigantic energies is the essential part of prime particle energy determination methods. Fluctuation of cascades and their distribution shapes were investigated on the base of sufficient number of MK simulated showers, as dependent on prime energy, zenith angle and registration method. Individual cascades were approximated with high accuracy using some special parameters. It enables to create convenient formulae for approximation of individual cascades. Quality of this approximation and applicability of the traditional approximation of mean cascades for estimation of individual gigantic cascades are discussed.