

ANATYTIC DESCRIPTION OF MUON DISTRIBUTIONS AT LARGE DEPTHS.

S.I.Klimushin (1), E.V.Bugaev (1) and I.A.Sokalski (1)

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

`klim@pcbai10.inr.ruhep.ru`

The analytic expression for integral energy spectra and zenith angle distributions of atmospheric muons at large depths is derived. Fluctuations of muon energy losses are described using the parametrized correction factor. The fitting formula for the sea level muon spectrum at different zenith angles for spherical atmosphere is proposed.