

PRECISE PARAMETRIZATIONS OF MUON ENERGY LOSSES IN WATER.

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

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

`klim@pcbai10.inr.ruhep.ru`

The description of muon propagation through large depths of matter, based on a concept of the correction factor, is proposed. The results of Monte-Carlo calculations of this correction factor are presented. The parametrizations for continuous energy loss coefficients, valid in the broad interval of muon energies, and for the correction factor are given.