PHYSICAL SIGNIFICANCE OF SHOWER AGE PARAMETER

A.Bhadra and R.K.Dey High Energy & Cosmic Ray Research Centre, North Bengal University, Siliguri, 734430, India bhadra@nbu.ernet.in

We analyze the experimentally observed characteristics of lateral shower age of cosmic ray extensive air showers (EAS). It is found that like longitudinal age, lateral age also describes developmental stage of EAS though it exhibits different radial dependence. An effort has been made to explain such behavior of lateral age parameter.