

A New method to determine the Chemical Composition of the
Cosmic Rays beyond 10^{15} eV

Y. Muraki

Inst. for Cosmic Ray Research, Univ. Of Tokyo, Tanashi, Tokyo

abstract

The chemical composition of primary cosmic rays beyond 10^{15} eV could not be measured by the direct method. Here I would like to propose more sensitive method to determine the chemical composition. The idea has been checked by the simulation and compared with the existing data concerning on $N_e - N_\mu$ and $N_e - N_\gamma$.

The simulation will be also compared with the experimental results coming from ANI experiment in a near future.