

A simulation study for measurement of primary cosmic ray energy spectrum in the TeV energy region

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- I will present the contents of my graduation thesis.
 - The purpose of the study was to investigate the possibility of precise measurement of cosmic ray energy spectrum in the TeV energy region.
 - I analyzed the structure of air shower made by cosmic ray proton and iron with a simulation.
 - Air shower and a core detector are shown in the figures.
 - From the simulation, it was found that measuring the shower core is important in the TeV energy region.
 - It is possible to distinguish a proton from an iron.
 - I will explain the details with my poster.

