A MEASUREMENT OF THE AVERAGE LONGITUDINAL DEVELOPMENT PROFILE OF COSMIC RAY AIR SHOWERS BETWEEN $10^{17}$EV AND $10^{18}$EV

HiRes/Mia Collaboration

The average extensive air shower longitudinal development profile is measured. Events between $10^{17}$ and $10^{18}$eV recorded by the HiRes/MIA hybrid experiment are used for the average profile. Several functional forms are examined using this average profile. The best-fit parameters for the above functions are determined.