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Barometric Effect in Extensive Air Showers in ARGO-YBJ experiment

Abstract content

The relation between atmospheric pressure and trigger rate variation is presented after live time correction in extensive air shower detected by the ARGO-YBJ experiment (4300 m a.s.l., Tibet, P.R.China) In particular we determine Fourier components of the temperature near by the detector and atmospheric pressure in solar time, sidereal time and antisidereal time. Also we obtain barometric coefficients with different numbers of hits in an event after reconstruction corresponding to energies of primary particles, which confirmed the absorption length measured at Yangbajing.

If this papers is presented for a collaboration, please specify the collaboration

the ARGO-YBJ collaboration

Summary

Reference

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