

DETERMINATION OF ANGULAR ACCURACY OF THE MAKET ANI SURFACE ARRAY

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Precise determination of the angles of incidence of the Cosmic Ray particles gives possibility for:

- correct reconstruction of Extensive Air Shower (EAS) size and axes;
- measurement of the size spectra for different angles of incidence;
- investigation of the arrival anisotropy of cosmic rays;
- estimation of the interplanetary magnetic fields.

We use classical methods of Moon and Sun shadow detection as well as new software methods for experimental determination of MAKET ANI angular resolution. It is shown that zenith angle accuracy is approximately 1.5 degrees and azimuthal accuracy not worse than 6 degrees.