

Capability for searching global anisotropies of ultra high energy cosmic rays with the Jem-Euso telescope

The forthcoming Jem-Euso experiment will reach a huge exposure nearly uniform over the celestial sphere. These capabilities allow to discover relatively nearby sources of ultra high energy cosmic rays and to test their anisotropy.

Furthermore the full sky coverage makes possible to use in properly way the angular power spectrum analysis to determine the magnitude and the characteristic angular scale of the expected anisotropy. Infact only an observatory with full sky coverage can give an unbiased estimation of the angular power spectrum.

In this contribution the sensitivity of the observatory to the anisotropy of ultra high energy cosmic rays will be discussed.

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