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Depth of Maximum Development of Extensive Air Showers by Radio Emission Data at Yakutsk EAS Array

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Radio emission at Yakutsk Array registers at frequency 32 MHz and radio antennas co-located with scintillation and Cherenkov detectors of Yakutsk Array. The co-location with particle detectors brings as a profit the reconstruction of fundamental air shower parameters, such as shower axis, energy and arrival direction (azimuthal and zenith angles).

The paper presents data obtained in the new series of measurements of Yakutsk Radio Array in the period 2009-2013 years. We analyze individual showers and reconstruct X_{max} by slope of radio LDF. Obtained results of X_{max} are compared with results of other arrays.

Collaboration

– not specified –

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