Search Cosmic Rays Sources of Ultrahigh Energy

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Earlier we suggested a new method search of sources and anisotropy of arrival directions particles of ultrahigh energy. Here using this method we analyzed data of the Yakutsk EAS array and found that particles flux with energies E<4.10^{19} eV come to Earth from our Galaxy and arrival directions of particles correlate with position pulsars. A chance probabilities correlation particles with pulsars and anisotropy of distribution particles are 10-4 - 10-6.

Also we analyzed Telescope Array (TA) data with energies E>4.1019 eV by our method and found that the maximum of distribution particles point to extragalactic sources but the direction of maximum by found us does not coincide with the maximum direction of distribution particles found by the authors TA data (maximums of arrival directions received by two different methods of analyses differ about ~ 100).