

Theoretical status of high energy cosmic rays and neutrinos

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In this talk I'll review theoretical models, which explain main high-energy cosmic ray measurements, including spectrum, mass composition, anisotropy, and transition from galactic to extragalactic cosmic rays. Also I'll discuss models, which explain astrophysical neutrinos, recently discovered by IceCube experiment and diffuse gamma-ray background, measured by Fermi LAT.

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