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4. High energy cosmic rays (HE-CR I)

The knee and beyond: a theorists view

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The origin of high energy cosmic rays is discussed. The consideration includes the model of cosmic ray origin in supernova remnants, possible contribution of other galactic sources, the structure of knee in cosmic ray spectrum at 3×10^{15} eV and its interpretation, the energy limit of Galactic sources and possible scenarios of transition to extragalactic component.