

Study of the cosmic ray spectrum in the region of the second knee.

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Abstract content

Knowing the exact energy of the second knee and which is the dominant composition is important for the astrophysics of high energies in the range of $10^{17.5}$ eV to 10^{19} eV, because the transition galactic to extragalactic components of cosmic rays flow could be happening in this range; that is why this work focuses on the analysis of data from the Pierre Auger Observatory extensions: Infill and HEAT, likewise we talk of the great possibility to do these studies at observatory under construction: CHARM, located in the “Parque Nacional Pico de Orizaba Veracruz Mexico” to 4323 m.a.s.l.

Summary

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