

Galactic High-Energy Particle Accelerators

Monday, August 27, 2018 2:00 PM (0:30)

Abstract content

Progress in observation and theory allows to study Galactic sources of Cosmic Rays in ever increasing numbers, variety and phenomenological complexity. We are presently witnessing the complement of deep studies of individual sources by population aspects, and Galactic source physics reaching out into the extragalactic domain. Some source classes presently evade generalization owing to uniqueness (Galactic Center), complexity among the class constituents (gamma-ray binaries), or absence of firm identification (e.g. young stellar cluster). I will review properties and phenomenology of Galactic sources in the interplay between observations and concepts of particle acceleration suggested to explain the Galactic high-energy sources.

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Session Classification : Galactic Science

Track Classification : Galactic