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## Origin of Galactic Cosmic Rays: what nuclear physics tells us

More than a century after their discovery, galactic cosmic rays remain enigmatic —especially in terms of their astrophysical origins, their propagation through the interstellar medium, and their role in the nucleosynthesis of the light elements lithium, beryllium, and boron. Recent measurements of cosmic-ray composition and energy spectra have yielded valuable insights into these longstanding questions. As a result, nuclear physics now plays a more critical role than ever in interpreting these data and advancing our understanding of cosmic-ray phenomena.

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