

The Crab Nebula: an electron PeVatron or a Super-pevatron of Cosmic Rays?

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Detection of 1.1 PeV photons from the Crab poses challenges to even classical electrodynamic theory and pure magnetohydrodynamics. Or, an accelerator that boosts protons to at highest energy of 30 PeV may be at the center of the nebula? LHAASO has found the most fascinating object, which was recorded as the first recognized supernova by Chinese in Song dynasty, so attractive that it may hint the origin of cosmic rays above the knee. LHAASO's observation in the near future may unveil it.

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