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Particle Acceleration in Pulsar Wind Nebulae

Tuesday, 12 December 2023 14:30 (25 minutes)

Pulsar Wind Nebulae (PWNe) are the prototypical Galactic relativistic accelerators. They are the most promising astrophysical labs where high-energy astrophysical processes can be investigated in details. They are also among the best studied objects in the sky, at the forefront of observational and theoretical endeavors. I will briefly review the current status of our knowledge of these objects, with a focus on their role as particle accelerators, and non-thermal sources in the Galaxy, together with the latest observational results.

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