2019 Meeting of the Division of Particles & Fields of the American Physical Society



Contribution ID: 265

Type: Oral Presentation

Search for the Axion Dark Matter with the Cosmic Axion Spin Precession Experiment (CASPEr)

Wednesday 31 July 2019 16:17 (17 minutes)

Cosmic Axion Spin Precession Experiment (CASPEr) is a laboratory scale search for the nature of dark matter. CASPEr searches for the axion and axion-like-particles (ALPs) as dark matter candidate in the mass range of a few feV to μ eV [D. F. Jackson Kimball, et al., arXiv:1711.08999]. CASPEr uses experimental techniques based on Nuclear Magnetic Resonance (NMR) and precision magnetometry. In this talk, I will report on the experimental status of CASPEr.

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Session Classification: Dark Matter

Track Classification: Dark Matter