

Abstract Submitted
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Magnetic Moment of Leptons at Finite Temperature and Density SAMINA MASOOD, University of Houston-Clear Lake — Magnetic moment is related to the perturbative nature of QED. We study the magnetic moment of electron and the magnetic moment of neutrinos at finite temperature and density. The change in the magnetic moment of leptons is used to study the electromagnetic properties of the QED medium at finite temperature and density. Some of the applications of these calculations in astrophysics and cosmology are also mentioned.

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