

Abstract Submitted
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Renormalization of QED in Hot and Dense Media SAMINA MASOOD, University of Houston Clear Lake — We study the renormalization of QED in hot and dense media up to the two loop level using real-time formalism. We compare first order contributions to the second order ones in different ranges of temperature and density in reference to the Astrophysical systems. We do the quantitative analysis and study some of the applications to astrophysics and cosmology.

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