

Abstract Submitted
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Properties of Neutrinos and Leptonic Processes SAMINA MASOOD, University of Houston Clear Lake — We study the effect of the modifications in the properties of neutrinos to the scattering crosssections of purely leptonic processes. Neutrinos change their behavior in the hot and dense media and the properties like mass, induced magnetic moment, number density and the refractive energy are also modified as a result. We investigate that how these properties affect the leptonic decays and scattering processes. Some of the important applications of these results are also indicated in this study.

Samina Masood
University of Houston Clear Lake

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