## Abstract Submitted for the 4CF12 Meeting of The American Physical Society

Higgs Decay in Hot and Dense Media SAMINA MASOOD, University of Houston Clear Lake — We estimate the leptonic decays of Higgs boson in hot and dense media and study the effect of Higgs mass on these decay rates. Decay rate of heavy higgs will also be mentioned and its relevance with the leptogenesis will be investigated.

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