## Abstract Submitted for the DNP12 Meeting of The American Physical Society

Active and Sterile Neutrinos, Neff, and Primordial Nucleosynthesis¹ EVAN GROHS, GEORGE FULLER, CHAD KISHIMOTO, University of California San Diego — We present self-consistent calculations of energy transport, primordial nucleosynthesis, sterile neutrino oscillations and/or decay in the early universe. We discuss using the results of these calculations in combination with cosmic microwave background and large scale structure observations to constrain neutrino properties.

 $^{1}NSF$ 

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