

In the name of God

Department of Physics
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ADVANCED TOPICS IN MODERN COSMOLOGY

Exercise Set 11

(Date Due: 1393/02/30)

1. According to paper written by Scott Dodelson and Mika Vesterinen entitle " *Cosmic Neutrino Last Scattering Surface*", PRL 103, 171301 (2009), do following task:
 - A : Using the relevant equation plot distance to CNB last scattering for various values of m_ν eV.
 - B : Plot the optical depth for CNB as a function of distance to CNB last scattering.

Good luck, Movahed
