

Abstract

Right-handed sneutrino is a viable thermal dark matter candidate within the $U(1)_{B-L}$ extension of MSSM. In this talk I discuss the prospects for indirect detection of sneutrino dark matter with the IceCube experiment. I will present predictions of the model for muon flux from dark matter annihilation inside the Sun and Earth, and compare the sneutrino signal with that of neutralino dark matter.