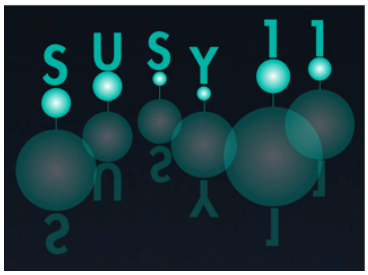

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Neutrinos and Dark Matter in the minimal $B - L$ SUSY Model

Tuesday, 30 August 2011 14:30 (20 minutes)

We analyze the inclusion of the neutrinos in the MSSM by gauging them under U(1)*{B-L}. We then solve the RGE in order to find the sparticle mass spectrum and the breaking scale of U(1)*{B-L}. We also study the possibility to generate neutrino masses due to a double see-saw mechanism, which is naturally implemented on this groud, and perform an analysis to determine the DM relic density generated within the model.

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