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New Physics Search with Bottomonium Decays at BABAR Experiment[1] ROMULUS GODANG, University of South Alabama, BABAR COLLABORATION — Motivated by the recent astrophysical observations, the searches for the light Higgs boson and dark matter have been performed at the BABAR experiment by studying the radiative decays of the Upsilon(nS) resonances, with n=1,2,3 and the multi particle production in e+e- annihilation processes. In this presentation I will summarize the stringent limit on the production of a light Higgs boson and the dark matter.

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