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Search for low-mass CP odd Higgs boson

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Searches for low mass CP-odd Higgs boson (A_0) predicted in non-minimal supersymmetric extensions of the Standard Model, have been performed at BABAR studying the radiative decays of the $Y(nS)$ resonances, with $n=1,2,3$. Stringent limits on the production of a light Higgs boson have been set from a variety of decay channels, as A_0 to lepton pairs, gluon gluon and $q\bar{q}$.

Summary

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