

Abstract Submitted
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Search for Dimuon Decays of a Light Scalar in Radiative Transitions $\Upsilon \rightarrow \gamma A^0$ ERIK PETIGURA, UC Berkeley and LBNL, BABAR COLLABORATION — We report on a search for evidence of a light Higgs boson in the radiative decays of the narrow Υ resonances: $\Upsilon \rightarrow \gamma A^0$, $A^0 \rightarrow \mu^+ \mu^-$, using data collected by the *BABAR* detector. Such an object appears in extensions of the Standard Model, where a light CP-odd Higgs boson naturally couples strongly to b -quarks.

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