## Abstract Submitted for the APR13 Meeting of The American Physical Society

Results of a Search for a CP-Odd Light Higgs in  $\tau$ -Pair Decays of the  $\Upsilon(1S)$  at Belle JAMAL RORIE, University of Hawaiiat Manoa, BELLE COLLABORATION — We conduct a search for a CP-odd light Higgs,  $A^0$ , in a sample of  $(102\pm2)\times 10^6~\Upsilon(1S)$  by looking for  $\Upsilon(1S)\to \gamma A^0$  radiative decays with  $A^0\to \tau^+\tau^-$ . No significant evidence of such decays is found. We set an 90% confidence level upper limit on  $BR(\Upsilon(1S)\to \gamma A^0)\times BR(A^0\to \tau^+\tau^-)$  between  $4.0\times 10^{-6}$  to  $4.5\times 10^{-5}$  for  $A^0$  masses ranging from 3.6 GeV to 9.3 GeV.

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