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**Search for  $B \rightarrow K^{(*)}\nu\bar{\nu}$**  FRANCESCO RENGA, University of Rome, La Sapienza, BABAR COLLABORATION — We present a search for the decay  $B \rightarrow K^{(*)}\nu\bar{\nu}$  in  $\Upsilon(4S) \rightarrow B\bar{B}$  decays recorded with the BaBar detector at the SLAC PEP-II  $B$  Factory. A sample of events where one  $B$  is fully reconstructed is selected, and in the recoil a search for the  $B \rightarrow K^{(*)}\nu\bar{\nu}$  signal is performed. In order to suppress background a number of kinematic and shape variable selection criteria are used. Features of the signal dynamics and topology are exploited by imposing constraints on signal variables such as the momentum, multiplicity and mass. We describe the search techniques and provide the most recent results from BaBar.

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