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Recent Babar searches for new physics

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We present recent BaBar results on two types of new-physics searches. The first type is direct searches for low-mass dark gauge bosons and dark Higgs, motivated by theories developed to explain recent astrophysical anomalies. The second type involves B-meson decays with final states containing neutrinos, where full-event reconstruction is used to measure the 4-momentum of the neutrinos and suppress background. This includes a search for lepton-number violation in B-> K tau l and B-> pi tau l, and searches for flavor-changing neutral-current B decays into final states with neutrinos.

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