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Dark forces and light Higgs searches at BABAR

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We present searches for exotic new particles, including light weaklyinteracting gauge bosons, low-mass Higgs bosons, and dark-matter candidates, performed with the BABAR detector and the PEP-II asymmetric B-Factory. Such particles appear in extensions of the Standard Model that attempt to explain recent astro-particle data and fix the hierarchy problem of the Standard Model Higgs sector. The searches are performed in the data samples collected by BABAR near the Y(4S) resonance, as well as at the narrow Y(2S) and Y(3S) resonances.

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