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Type: **Parallel Talk**

Search for dark sector particles at Belle

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The dark photon, A , the dark Higgs boson, h , and the dark baryon, B' , are hypothetical constituents featured in a number of recently proposed Dark Sector Models. Dark Sector particles can be produced in the dark Higgs-strahlung and radiative processes, and in neutral D -meson decays channels. We will present results for the search of dark sector particles with prompt and displaced vertex decay topologies, when applicable, obtained using 1ab^{-1} of data collected by the Belle detector. We also report the results of a search for dark matter in radiative $\Upsilon(1S)$ decays.

Experimental Collaboration

Belle

Presenter: KWON, Youngjoon (Yonsei University)**Session Classification:** Dark matter**Track Classification:** Dark Matter