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Dark sector, dark matter, and related searches at Belle II

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The Belle II experiment has started operations at the SuperKEKB e+e- collider, located at the KEK laboratory in Tsukuba, Japan. Like its predecessors Belle and BaBar, Belle II will operate near the Y(4S) resonance. It has the goal of collecting a dataset 100x larger than that of BaBar. The experiment's trigger has been designed to allow searches for a wide variety of dark sector particles and other low-mass particles predicted by theories beyond the Standard Model, including possible dark matter candidates. A small amount of data was recorded in the Spring of 2018. I will review the status of searches using this initial data, and discuss future prospects, with particular emphasis on near-term discovery potential.

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