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Dark Sector Searches at Accelerators

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The generalization of dark matter to dark sectors, with potentially rich matter content and interactions, has opened up new avenues for detection. In particular, there are now many new motivations for light, long-lived particles, which can be probed by novel experiments at accelerators. I will review these motivations, describe of the interplay of theory and experiment in this area, and give an overview of some of the new experimental developments.

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