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Searches for long-lived particles at CMS

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Models beyond the SM predict new particles with a wide range of lifetimes. The weak-scale particles can get a long lifetime which lead to unconventional signatures in the detector with respect to these from prompt decays, often requiring customized techniques to trigger and identify them. The CMS experiment puts a growing effort to expand the reach for long-lived signals. During the talk, recent studies on long-lived particles are shown.

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