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Beyond standard model searches at CMS : Highlights and prospects

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Intriguing scenarios of new physics provide explanation to several shortcomings of the Standard Model. Such models as extra dimensions, supersymmetric theories or dark sector extensions, are expected to manifest in various topologies including hadronic and leptonic final states. In this talk, we focus on the recent results obtained using the full Run-II dataset collected at the LHC and projections at HL-LHC.

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