

BCVSPIN Conference 2024: Particle Physics and Cosmology in the Himalayas

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LHC Results: Dark Matter Searches at CMS

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We report on the search for dark matter conducted at the CMS detector using the full Run-2 dataset from the LHC. This report focuses on the dark matter searches conducted using proton-proton collisions at a center-of-mass energy of 13 TeV with the CMS detector. It highlights the various event types investigated and discusses the findings in relation to several dark matter theories.

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