

DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects

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XXIII International Workshop on
Deep-Inelastic Scattering and
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Recent highlights from SUSY searches at CMS

Thursday 30 April 2015 10:45 (24 minutes)

Supersymmetry is one of the most thoroughly discussed extensions of the Standard Model, and is providing elegant solutions to fundamental questions like the nature of Dark Matter or the hierarchy problem. In this talk, recent results from the CMS experiment at the LHC on searches for supersymmetry are presented using 20/fb of data from the 8 TeV LHC run. A variety of complementary final state signatures and methods are used to probe the production of supersymmetric particles, such as gluinos, squarks, sleptons, or electroweak superpartners. Prospects for LHC run 2 and beyond will be discussed.

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Session Classification: WG3:Electroweak Physics and Beyond the Standard Model

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