

XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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Future Physics Prospects with the CMS Detector at the High-Luminosity LHC

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The High-Luminosity Large Hadron Collider (HL-LHC) is expected to deliver up to 3000 fb⁻¹ of proton-proton collisions at 14 TeV center-of-mass energy. The CMS detector will undergo significant upgrades for HL-LHC operations. We will present prospects for selected Standard Model and Higgs sector measurements with the CMS detector at the HL-LHC, and discuss potential sensitivity to several beyond-Standard Model new physics scenarios.

Primary author: CMS COLLABORATION

Presenter: HENDERSON, Conor (University of Alabama (US))

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