

Prospects for SUSY searches at the HL-LHC

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The search for weak-scale SUSY is one of the highest physics priorities for the current and future LHC runs. The high luminosity upgrade of the LHC (HL-LHC) is expected to deliver proton-proton collisions at a centre-of-mass-energy of 14 TeV, with an integrated luminosity of around 3000 fb⁻¹. The large dataset expected at the end of HL-LHC offers an unprecedented discovery potential for several supersymmetric particles, both in the strong and electroweak sectors. This talk will review the prospects for SUSY searches with the ATLAS and CMS experiments at the end of the HL-LHC.

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