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Highlights from CMS

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Very successful operation of the CMS detector for almost 10 years allowed the CMS collaboration to produce a large number of results,

from the discovery of the Higgs boson and the measurement of its properties, to setting stringent limits on the existence of physics beyond the Standard Model.

This talk will briefly summarize some of the experimental challenges and give an overview of some of the main physics results delivered so far.

This includes results on the Higgs boson coupling to fermions, the search for Supersymmetry in several final state topologies, and other selected searches for particles beyond the Standard Model.

A brief overview of the preparations for an upgrade to the experiment for operation at the High Luminosity LHC starting in the mid-2020s also will be reported.

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