

# 9th International Conference on High Energy Particle and Nuclear Physics in the LHC Era



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## Latest News from CMS

*Monday 6 January 2025 09:40 (35 minutes)*

In this talk, I'll highlight the latest results from the CMS experiment at the LHC, including the recent precision measurement of the W boson mass, numerous searches for beyond the standard model phenomena, and the host of precision measurements in the electroweak and QCD sectors. I'll discuss the latest developments in artificial intelligence techniques in application to CMS physics analysis, as well as the exploration of the quantum science frontier at the LHC.

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