

Plenary Talk PV I Mon 14:00 Geb. 30.95: Audimax
Overview and perspectives in LHC physics — ●MARUMI KADO
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After nearly 15 years of operations, the LHC is midway of its third run at the energy frontier. Meanwhile the LHC machine and experiments are also preparing in full steam for major upgrades to operate

in the high luminosity phase projected to start in 2029. During this phase the LHC is expected to deliver approximately 15 times its current integrated luminosity. In this talk an overview of the main LHC pp collision results and achievements will be given through selected highlights. Challenges and opportunities at Run 3 and beyond at the High Luminosity LHC will be discussed.