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## LHC and its High-Luminosity Upgrade

*Wednesday 26 June 2013 09:00 (45 minutes)*

The Large Hadron Collider (LHC) at CERN has been operated for three years for physics leading to the discovery of a Higgs boson. The operational experience will be reviewed together with the main challenges encountered and the solutions applied. The performance outlook after the long shut-down and the future upgrade plans will be discussed with particular emphasis on the beam dynamics aspects.

**Presenter:** ARDUINI, Gianluigi (CERN)