

## LHC Commissioning for Run 2

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After a successful Run 1 (2010-2013) where the LHC delivered over 30 fb<sup>-1</sup> of proton-proton collisions at beam energies of 3.5 and 4 TeV, the collider was shutdown for 2 years for consolidation and maintenance work. The main aim of the long shutdown was the consolidation of the magnet interconnects for safe operation up to the design energy. Recommissioning of the LHC magnet system began in the autumn of 2014 and ended in April 2015. During that phase the magnets were prepared for operation at a beam energy of 6.5 TeV for Run2 (2015-2018). The first beam was injected at Easter 2015, since then the LHC commissioning with beam has been progressing towards the first stable collisions expected in the first days of June 2015. This presentation will briefly review the performance of Run 1 before explaining the main work of the long shutdown. The recommissioning phases and their progress will be presented, and the upcoming challenges for Run2 will be outlined.