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LHC experiments upgrade and maintenance

Wednesday 8 February 2012 17:00 (15 minutes)

All experiments plan an effective usage of the LS1 shutdown period. After three years of running they will go through a consolidation phase, mostly to fix problems which have emerged over time, like single points of failure in the infrastructure, failures of low voltage power supplies and optical links.

Upgrade of some detector components will start, mainly related to the beam pipe, the innermost tracker elements and the trigger system. Detector components, which had to be staged for cost reason in 2003, will then enter into the detector setup. The goal is to be fully ready for the new energy regime at nominal luminosity.

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