

Availability in view of Increasing Beam Energy to 7 TeV

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The integrated luminosity for LHC depends on the time operating with colliding beams as well as on the peak luminosity. Different factors enter into the time that the LHC operates with colliding beams, this is discussed for operation at 6.5 TeV, and extrapolated to operation at 7 TeV. Independent of the operational energy, ideas to increase the LHC availability are presented. High availability is required, in particular for HL-LHC, where the peak luminosity is limited due to pile-up. High availability is not only relevant for LHC, but also for other accelerators at CERN and future projects. The talks includes an overview of the various activities at CERN related to reliability and availability.

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