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Beam Commissioning of the Collimation Systems

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The beam commissioning of the LHC collimators is outlined for the expected evolution of beam intensity and low beta optics in the LHC. Starting from the necessary pre-requisites concerning aperture and machine reproducibility, a commissioning scenario is developed that addresses requirements from both beam cleaning and protection. An initial minimal system for lower intensities is described, relying on fewer collimators and featuring relaxed tolerances. It is explained how this system would be set up and how it then would be gradually extended to its full performance.

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