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Introduction to magnet powering and protection

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After a short introduction to the powering schemes for LHC superconducting elements, the implementation of the related quench protection and energy extraction systems will be presented. The protection of LHC main magnets and circuits, the corrector circuits as well as the protection of the HTS current leads will be explained. In addition there will be a few remarks on the interfaces to the Machine Interlock System and the control and supervision of these systems. Finally some ideas for the test and hardware commissioning will be discussed.

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