

Update on beam failure scenarios

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At the time of the design of the LHC machine protection system a number of standard failures scenarios have been taken into account, like the D1 failure and the asynchronous beam dumps. This talk will analyse if these failures did take place and if the protection system worked as expected. An iteration is made to see if the failure catalogue needs to be extended, based on the past operational experience and 2015 beam parameters and if we need to adapt the machine protection system to possible new failure scenarios.