

LHC Beam Dump System Review and its readiness for the Run3 and HL-LHC operation



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LBDS: setting the scenes

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- a) Existing design: kickers, protection elements, controls logic, BETS, considered failures and failure rates etc.
- b) Operation during past runs: reliability, new failures (impact on beam and protection elements) and mitigations applied up to now (generator cleaning, radiation shielding).
- c) Possible limitations for Run III.
- d) New requests (additional kickers or separate vacuum tanks) and expected performance.

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