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LHC Power Converters, the proposed approach

Wednesday, 27 January 2010 18:00 (15 minutes)

The constraints of the power converters with respect to possible SEE induced failures are outlined and put in contrast with the expected radiation levels in the various LHC critical areas. Options of new developments and respective constraints are reviewed and limitations redesigning a full new system are underlined. 2009 and former radiation test results are summarized to conclude what can be done in the mid/long-term to improve the situation for the power-converters and where the inherent limitations are.

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