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R2E strategy and activities during LS1

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The level of flux of hadrons with energy in the multi MeV range expected from the collimation system at Point 7 and from the collisions at the interaction Points 1, 5 and 8 will induce Single Event Errors (SEE) of the standard electronics present in equipment located around these Points. Such events would perturb the LHC operation. As a consequence, the sensitive equipment will be shielded or relocated in safer areas.

These mitigations activities will be performed mainly during the LS1. About 15 groups (including equipment owners) will be involved. Some of them will have to work in parallel in several Points. This talk summarizes the planning of these mitigations activities in each impacted points. It presents the R2E organization process, the priorities and possible bottlenecks as today identified.

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