## **LHC Performance Workshop - Chamonix 2012**



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## Will we still see SEEs?

Thursday 9 February 2012 10:40 (20 minutes)

The actions during the first years of the R2E Mitigation Project allowed to drastically reducing the rate of Single Event Errors on radiation sensitive electronic equipment installed in the LHC underground areas. Shielding and relocation activities during LS1 will allow the resolution of the present issues concerning UJs of P1, 5 and 7 as well as the P8 cavern. The parallel development of radiation tolerant power converters will address the remaining concerns in the RRs. Radiation levels in areas where luminosity is the source are under control. The remaining open questions are related to the evolution of the beam-gas source term in the arc and in the dispersion suppressor and to the evolution of losses at the betatron and momentum insertion regions. 2012 operation will allow addressing these points, which will be used for a complete forecast of radiation levels and projected failures after the resume of operation in 2014/15.

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