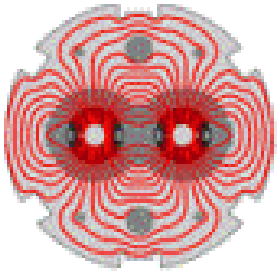

Contribution ID: **2** Type: **not specified**

Do the splices limit us to reach 5TeV. Plans for 2010 run

Monday, 25 January 2010 09:15 (20 minutes)

The talk will start by reviewing the landscape: the results of the warm copper stabilizer measurements, the results of the splice measurements at cold and the allowed space for these variables as a function of LHC energy. It emerges that the limiting factor for operating safely at higher energies is our knowledge of copper stabilizer resistances. The available methods at our disposal for addressing the limiting factors and operating at a higher energy will then be reviewed and estimates of the effort and risk involved will be presented. These methods range from a complete warm-up of some sectors to the so-called pulsing method that can qualify a circuit to a specific energy. A figure-of-merit can then be given to each method by balancing the effort of each method against the expected gain of operating the LHC at higher energies.

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Session Classification: Session 1 - Preconditions for Operating at 5 TeV in 2010