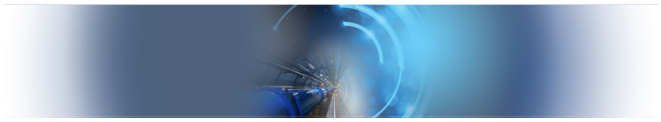

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Cryogenic Risk Assessments before Works in the LHC Tunnel

Wednesday, 21 September 2016 14:20 (20 minutes)

Tests conducted in 2013/4 demonstrated that a small, residual risk to expose personnel to a helium spill exists in the LHC. Helium spills with a mass flow of less than 100 g sˆ-1 could be caused by workers accidentally damaging sensitive equipment in the cryogenic distribution system, such as instrumentation feedthroughs.

In order to control this risk, a cryogenic risk assessment for all works taking place in the vicinity of such sensitive equipment is mandatory. The risk assessment and its recommendations are approved by the hierarchy and the complex manager before work can start.

After introducing the risk assessment procedure, I will give some feedback on its implementation and present status.

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