

## Importance and impact of dependability studies for particle accelerators

*Monday, 11 November 2019 09:00 (40 minutes)*

This talk will highlight the main challenges in terms of reliability, availability and protection for different types of particle accelerators. The talk will stress the importance of performing reliability studies as early as possible in the lifecycle of an accelerator, starting from the conceptual phase to its exploitation and upgrades. A summary of the main lessons learnt at CERN on the use of reliability analysis methods and tools will be given, with a particular interest towards new generation machines.

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**Session Classification:** Methods