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LHC Cryogenics, the approach towards reliability

In line with the excellent results of LHC operation so far, the LHC cryogenic system has reached in the last years a level of availability that is surely compatible with first LHC physics program.

The LHC cryogenic system - largest worldwide - will be briefly presented with a focus on design parameters and strategy intended to provide a high level of availability for the given specific boundary conditions. The global approach for operation, maintenance and evolution of this system will be described with particular emphasis on how to improve the reliability. Present results including indicators, statistics and tools will be presented with tendency and considered improvements.

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