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Simulating radiation damage effects in LHC collimators (code development status)

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The current status of the code development for simulating the structural damage of the graphite jaws of the LHC collimators produced by 7 TeV protons is presented. The technique, which is being developed in the framework

of the Monte Carlo code FLUKA, combined with the results of experimental tests of carbon-carbon composite materials in radiation hard environment will be capable of evaluating lifetime of the collimation system.

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