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Status of the SOLEIL II robustness studies

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SOLEIL, the French third-generation synchrotron radiation facility, is in the TDR phase of its upgrade to a new fourth-generation synchrotron light source, called SOLEIL II. Its storage ring lattice design has evolved over the last year to better adjust its parameters taking into account the results of the mechanical integration, more realistic magnet design [1], and the geometrical constraints for the extraction of the photon beams. A new configuration of girders has been introduced, and the correction strategies have been refined. A new corrector budget and updated results with more statistics are presented in this paper.

Funding Agency

Footnotes

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