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Magnets for SOLEIL II

SOLEIL II, the SOLEIL upgrade project aims at reducing the natural horizontal emittance of the storage ring down to 80pm at an energy of 2.75GeV. The storage ring lattice, consisting of alternating 7BA and 4BA High Order Achromat (HOA) type cells, necessitates over a thousand magnets. The magnetic design of dipoles and quadrupoles is based on permanent magnet technology. Correctors, sextupoles and octupoles are resistive magnets. The status of the magnet development is presented.

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