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Super_X divertor geometries and plasma simulations BRENT
COVELE, P. VALANJU, S. MAHAJAN, M. KOTSCHENREUTHER, University
of Texas — Potential implementations on NSTX, a component test facility (CTF)
and a fission-fusion hybrid are considered. Magnetic equilibria are devised using
CORSICA for desirable core plasma configurations, to allow considerable flexibility,
and without unacceptable coil currents or positions. Using the state of the art edge
simulation code SOLPS, plasma simulations of these configurations are considered,
to examine their advantages.

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