Abstract Submitted for the DPP10 Meeting of The American Physical Society

Confinement studies for novel MCF reactor configurations WILLIAM DORLAND, KATE DESPAIN, University of Maryland, MICHAEL BARNES, FELIX PARRA, EDMUND HIGHCOCK, ALEX SCHEKOCHIHIN, University of Oxford, IAN ABEL, Oxford University, STEVE COWLEY, Culham Laboratory — Motivated by ideas from plasma theory, we use a suite of coupled plasma physics codes to explore the confinement performance of a range of tokamak configurations. The codes include GS2, Gryffin, Trinity and TOQ.

William Dorland University of Maryland

Date submitted: 16 Jul 2010 Electronic form version 1.4