

Abstract Submitted
for the DPP10 Meeting of
The American Physical Society

Status of TRANSP¹ D. MCCUNE, R. ANDRE, E. FEIBUSH, M. GORELENKOVA, K. INDIRESHKUMAR, C. LUDESCHER-FURTH, L. RANDERSON, PPPL, G. BATEMAN, A. KRITZ, Lehigh University, H. ST. JOHN, General Atomics — This poster describes the status of TRANSP code development and run production operations. Production rates continue to climb as new users are added; statistics will be shown, including utilization of the recently added TRANSP MPI capability. Code configuration for between shots analysis is now possible, and is being used in the NSTX control room. There have been significant developments in free boundary modeling capability (Isolver), RF component physics options (GENRAY, CQL3D, and TORIC), and fast ion modeling (NUBEAM); summarized here, separate posters will cover the NUBEAM and RF component improvements in detail. Status of TRANSP predictive modeling capabilities and development efforts (PTRANSF) will be described. A new method for making use of TRANSP output archives, via Swim SciDAC Plasma State files, will be presented.

¹Work Supported by U.S. DOE Contract DE-AC02-09-CH11466.

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Date submitted: 26 Jul 2010

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