

Abstract Submitted
for the DPP05 Meeting of
The American Physical Society

Sorting Category: 5.6.1 (C)

Status of TRANSP / PTRANSF DOUGLAS MCCUNE, ROBERT ANDRE, ELIOT FEIBUSH, K. INDIRESHKUMAR, CHRISTIANE LUDESCHER-FURTH, LEW RANDERSON, Princeton Plasma Physics Laboratory — The status of the TRANSP integrated tokamak modeling effort is described. This will include the status of TRANSP FusionGrid operations and client software as well as development of the core physics model. Physics modeling topics to be covered include: (1) status of effort to parallelize the NUBEAM Monte Carlo fast ion model; (2) installation of RF and related modules in TRANSP: TORIC, GenRay, and CQL3D; (3) status of equilibrium solver upgrades particularly for ST tokamaks; (4) status of predictive upgrades to TRANSP (i.e. PTRANSF). Examples of recent TRANSP modeling results and applications will be shown.

Prefer Oral Session
 Prefer Poster Session

Douglas McCune
dmccune@pppl.gov
Princeton Plasma Physics Laboratory

Date submitted: 22 Jul 2005

Electronic form version 1.4