

Abstract Submitted  
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**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.

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