

EPA Status

- EPA has been fully integrated into the IPS framework.
- EPA currently uses TSC as the main engine.
- Sample driver scripts and simulation configuration files written, tested and posted.
- Available in normal mode of IPS operation or in stand-alone mode to generate libraries of plasma states for IPS to run in re-play mode.
- EPA has been run in IPS framework with
 - RF and FP component (AORSA, CQL3D) as well as the monitor component for the CMOD minority tail formation simulation
 - Stand-alone for ITER discharge simulation
 - Available both on VIZ/MHD at PPPL and Jaguar at NCCS
- Results of test runs and scripts consistent with PS2 are available in
 - /p/swim1/lpku/IPS/runs
- Modifications considered:
 - Sawteeth with refined time stepping and interfacing with other components.
 - Interfacing with the standard transport module.