

Simulation Targets

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Possible Simulation Targets

- Static simulations (non-time dependent)
 - AORSA, CQL, and NOVA-K on a CMOD problem.
 - Requires modification of NOVA-K
 - AORSA, NUBEAM study of parasitic α absorption on ITER.
 - Requires Monte Carlo transformed into a continuum $f_{\text{fast}}(\mathbf{v})$
 - Toroidal Alfvén Eigenmodes (TAE) on CMOD with NOVA-K
- Dynamic simulations
 - RF effects on sawtooth
 - DIII-D or JET?
 - neo-classical tearing modes: classical tearing mode on DIII-D,
 - Runaway electron production in ITER startup
- Validation runs
 - AORSA+CQL → rate of increase of energetic tail