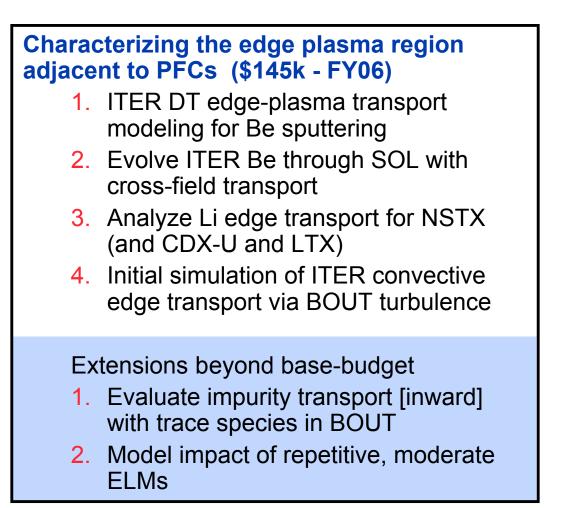
## LLNL FY06 plans for PFC tasks

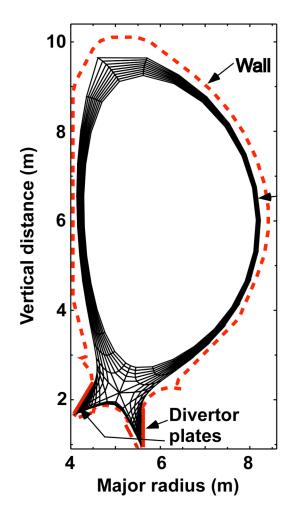
T.D. Rognlien (Edge Plasmas) E. Bringa (Molecular Dynamics) LLNL

> May 10, 2005 PFC Meeting PPPL

## 1. Continue to provide edge-plasma fluxes/response; mixed materials & Li





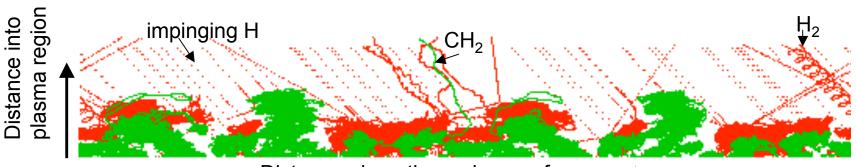


## 2. Continue to provide sputtering simulations and understanding; extend to Be



## Determining sputtering coefficients using Molecular Dynamics (\$45k - FY06)

- 1. Resolve differences in low energy (< 50 eV) chemical sputtering; REBO/AIREBO and level of D flux
- Compare yields between inter-atomic potentials from # 1 and RELAX (Caltech) in carbon; and RELAX Be
- 3. Begin simulations using *RELAX* Be-C potentials



Distance along the carbon surface –

Rognlien PFC, May '05