

UCI 2007 PLANS

Graduate Deyong Liu

- Improved NPA modeling with modified FIDA simulation code **Halos, Fast-ion Distribution Function**
- Beam-blip study (quiet plasma)
- Analysis of 2006 fast-ion transport data **ORBIT-code runs with NOVA fields, simulated fast-ion data**

Fast-Ion D-Alpha Diagnostic

- Postdoc, money around April
- Try for bandpass filtered (fast data) in 2007 campaign
- Full profiles and spectra deferred until 2008

Propose one experiment for 2007 Campaign

- Effect of HHFW on Angelfish chirping

UCI ROLE IN NEXT FEW YEARS

- FIDA Diagnostic
- Fast-ion transport by instabilities—particularly comparative studies with DIII-D
- Nonlinear dynamics