

sFLIP status 2010

- Photron fast camera used on sFLIP 2009 presently stuck in UK awaiting export clearance. Hoping for its return in time to use once NSTX OH coil repair completed
- Camera is capable of 100,000 frames/s at reduced resolution—would this be of value to any XP?
- Could add PMTs to view segments of fast ion loss—most hardware available but requires time to implement

Neutron diagnostics

- Expect to have an absolute calibration of neutron systems by restart of NSTX operations

Fusion source profile diagnostic

- A collaborator is developing a charged fusion product source profile diagnostic for NSTX
- Single trial detector on NSTX for 2011 (no profiles!)
- Multichannel instrument planned for 2012
- Few ms resolution, ~8 channels across plasma minor radius
- Would complement FIDA as it integrates over all NB velocity space