

Ultra-high speed imaging of edge turbulence in NSTX*

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This talk will present videos of edge turbulence in NSTX made using a Princeton Scientific Instruments PSI-4 camera, which can record 28 frames with 160x80 pixels each at a framing rate of up to 1 million/sec. Edge turbulence images will be shown for an Ohmic density scan and for L vs. H-mode cases and compared with results from other edge turbulence diagnostics. Preliminary analysis of the observed structure and motion will be described and compared with turbulence simulations from the BOUT code if available.

* Work supported by US DOE contract no. DE-AC02-76CH03073