5 Year Study of Edge Turbulence on NSTX

- Understand edge turbulence in simple Ohmic plasmas

- Understand effect of edge turbulence on density limit

- Understand effect of edge turbulence on H-mode transition

- Understand relationship of edge turbulence to other edge instabilities, e.g. ELMS and high-n edge MHD modes

- Understand connection of edge turbulence to core turbulence

This can be done by:
  - cross-checking multiple edge turbulence diagnostics
  - making direct connections to theory and simulation

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