

# Progress on NSTX towards a stable steady state at low aspect ratio

D. Gates

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# Outline

- Shaping
  - Improvements to shape control
    - PF1A mod (hardware, basis)
    - rtEFIT (examples, utility)
    - Achievement of record plasma elongation/shape factor
  - Effect of shaping on performance
    - Statistical data
    - MHD stability calculations
- Non-inductive current drive calculations
  - MSE/CHERS/MPTS profile data/analysis
  - Reconstruction technique
  - Bootstrap current fraction
  - NBI driven current
  - RF current drive (?)
- Reduction of flux consumption during ramp
  - Early H-mode
  - Early shaping
- Extrapolation/implications for future devices -> NHTX ?
- Summary