

# Feedback from PAC Review of NSTX-U 5 Year Plan for T&T

- T&T presentation has conveyed a clear plan of what we will do in the 5 years of NSTX-U program
  - PAC is in agreement with our scope, prioritization and relevance to ITER
  - We have tools to address the thrusts (theory+experiments)
- Some suggestions from the PAC and BP TSG
  - Addressing connections with BP study
  - Emphasize high-Z impurity study (Diagnostic to measure high-Z)
  - Balance reduced model study with first-principle more realistic modeling addressing global effects with codes developed at PPPL, e.g. GTS and XGC1
  - Spatial and spectral coverage of turbulence diagnostic (a table of diagnostic capabilities)
  - Address relevant scenario to future devices, low collisionality+low rotation
  - Emphasize edge intrinsic torque and 3D effects (ITER relevant)
  - Emphasize rotation, plasma shaping and beta on ES and EM turbulence
  - More connections with theory department
  - Better way to present how to achieve predictive capability
    - Slides by Stan for the PAC question