

Pedestal peeling-ballooning mode limit along ballooning boundary – T. Osborne GA

- **Issue:** Pedestal PBM stability along the ballooning boundary uncertain due to uncertainty in strength of diamagnetic stabilization effect and importance of other physics
- **Why NSTX:** Differences at low aspect ratio could reveal key physics
- **Effort required:** Low triangularity required to reach ballooning limit
- **Risk-reward:**
 - Could impact performance prediction of future tokamaks that may be ballooning limited due to weak shaping (ITER)
 - Could impact understanding of effect of metal walls in ballooning limited JET

