ITPA meeting – NSTX experimental ideas (R. Maingi)

1. Pedestal height test (Snyder)
Testable pedestal width model:
Pewid=0.076*sqrt(betap_pol) (Just before Type I ELM)
Peeling Ballooning gives P' -> prediction of height

2. Configuration differences for pedestal height and filament dynamics: USN vs DN vs LSN

3. Dependence of P_{LH} on triangularity

4. More on small ELM characterizations and extrapolability

5. Test Kirk's idea of filaments dominating SOL width – does it fit with steep dependence of lamda-q vs. Ip?

6. Can analyze effect of RMP on ELMs -> rotation goes down, changes P-B limit (is included in ELITE now)

7. Effect of RMP on P_{LH}