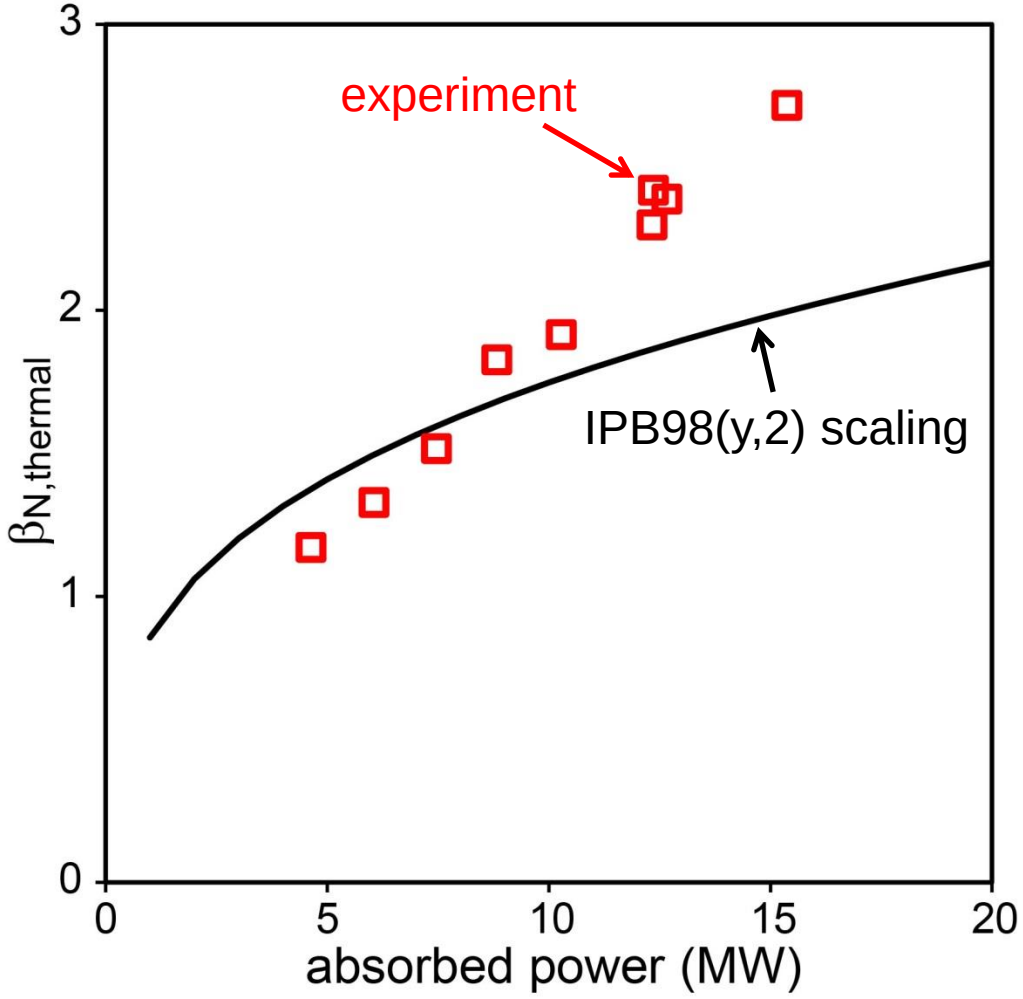
# Improved confinement in JET high β plasmas with an ITER-like wall

power scan with JET ITER-like wall at constant: $I_P$, B, $M_{eff}$, $n_e$, a, R, κ ($q_{95}$~4)




- Weak power degradation of confinement observed at $\beta_{N,th}$>1.5 with minimal D gas injection rates, much weaker than IPB98(y,2) scaling
- Strong power degradation seen at low β and with high gas flow rates
- Rapid increase in stored energy with power due to increase in pedestal pressure and pressure peaking
  - Pedestal pressure increase consistent with peeling-ballooning paradigm
  - Density peaking increase consistent with the previously observed correlation with collisionality
  - Temperature peaking increase may include effect of suprathermal pressure on transport
- Confinement scaling determined by interplay between core and edge