

3.1: Beta limit for AT with ITER recommended q-profile

- **JT-60U: no progress**
- **JET: New analysis performed**
 - Paper by O. Kwon submitted to PPCF
 - Ideal, low-n stability assessed for JET high beta discharges with q_{\min} near 1, 3/2, or 2.
 - Ideal kink-ballooning instability found as q_{\min} approaches a rational value
 - Continuous modes observed in the experiment
 - Onset well correlated to the crossing of the predicted stability boundaries
- **DIII-D: New experiments conducted with off-axis beams**
 - Discharges produced with $q_{\min} > 2$
 - Pressure profile broader than in previous on-axis injection discharges
 - Calculated β_N n = 1 ideal wall limit increased to ≈ 4
- **ASDEX-U: Two discharges produced as a start to experimental work**
 - One discharge reproduced the previous AT scenario discharges