

Development of the Q=10 Scenario for ITER on ASDEX Upgrade

Achieved:

- Operation at $q_{95}=3$ demonstrated at $H_{98y2}=1$, $\beta_N \sim 2$, $n/n_{GW}=f_{GW} \sim 0.85$;

BUT:

- Integration of ELM mitigation not achieved;
- No stable low P_{heat} operation with good confinement;
- No stationary behavior with N-seeding;
- Operation at $q_{95} = 3$ seems to be a difficult corner -> investigation of alternative Q=10 scenario at $q_{95} = 3.6$ has started;

