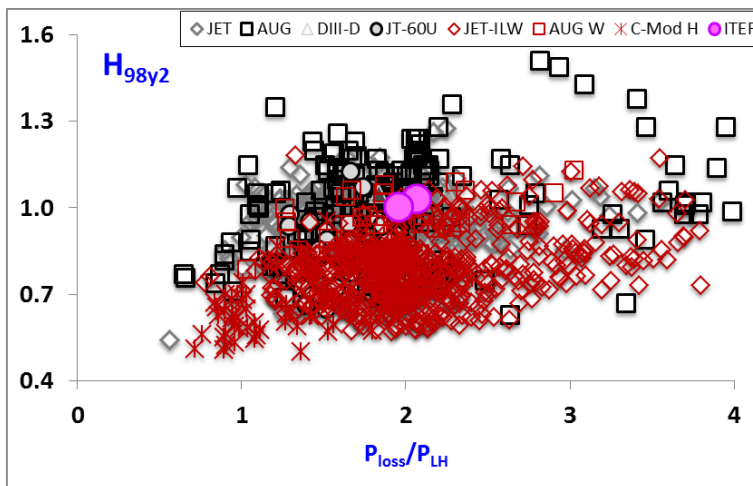
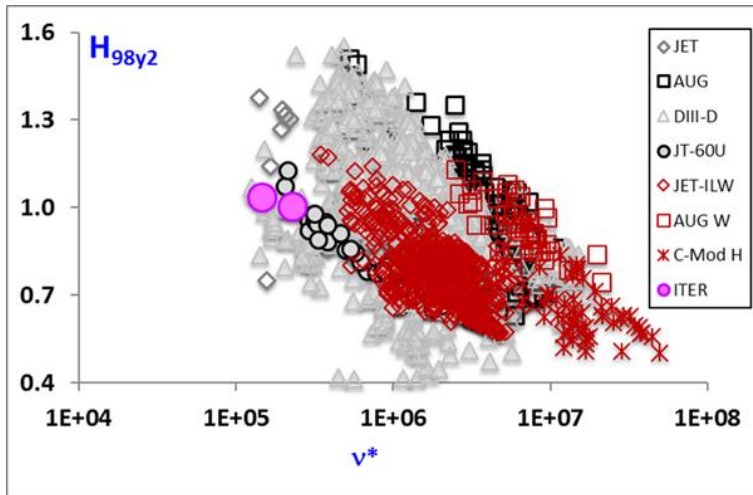


Assessment of the Baseline Scenario at $q_{95} \sim 3$ for ITER



ITPA: IOS-TG database for stationary discharges with $q_{95} = 2.7-3.3$ with input from AUG, C-Mod, DIII-D, JET, JT-60U and ITER → wide range of plasma conditions



- The maximum H_{98y2} obtained increases at lower collisionality.
- High-Z metal wall devices have (so far) not accessed low ν^* .
- H_{98y2} increases with β_N : For high-Z metal wall devices $H_{98y2} \sim 0.8-0.9$ at $\beta_N \leq 1.8$.
- Achieving $f_{GW} \sim 0.85$ with $H_{98y2} = 1$ is at the top of the data range available.
- H_{98y2} can be 1 for $P_{loss}/P_{LH} \sim 1$ at low ELM frequency (CFC). However, not possible with high-Z metal walls (impurity accum.) → $H_{98y2} \sim 1$ only for $P_{loss}/P_{LH} \sim 2$.