

# DIII-D Experiments Extend ITER Q=10 Scenario Toward Conditions Expected in ITER

## More ITER-like conditions:

- Low applied torque
- Low central fueling
- Dominant electron heating
- Radiative divertor operation

## Primary results:

- Normalized performance consistent with Q=10 in ITER achieved with low torque and dominant electron heating ( $\beta_N \geq 1.8$ ,  $H_{98y2} \geq 1$ ,  $q_{95} \approx 3$ )
  - Confinement time reduced relative to co-NBI up to 50% with dominant electron heating, low torque, or radiative divertor
  - Stable operation more challenging at low torque
- ➔ Motivates investigations of transport and alternate scenarios

