Intrinsic Rotation probed by modifying energy and momentum transport parameters with shape in DIII-D

- Modulate triangularity
- Varies energy confinement
- Intrinsic toroidal angular momentum also increases with triangularity.
- Correlation of energy and intrinsic momentum transport tightly coupled.

- The measured intrinsic toroidal velocity in the confinement region, 0.6 < ρ < 0.85, follows the dimensionless DIII-D empirical scaling [1].

\[
\frac{V_\phi}{V_{Alfven}} = \beta N \rho^* 
\]