Suppression of AEs on DIII-D via q profile manipulation leads to the recovery of the classical neutron rate

- AEs were suppressed by elevating q₀ and moving q_{min} outward
 - Increasing q₀ suppresses the TAE activity
 - Moving q_{min} outward reduces the RSAE drive
- Observed neutron rate agrees with the classically predicted one when AEs are suppressed

Suppression of AEs via q profile manipulation can lead to better plasma performance



