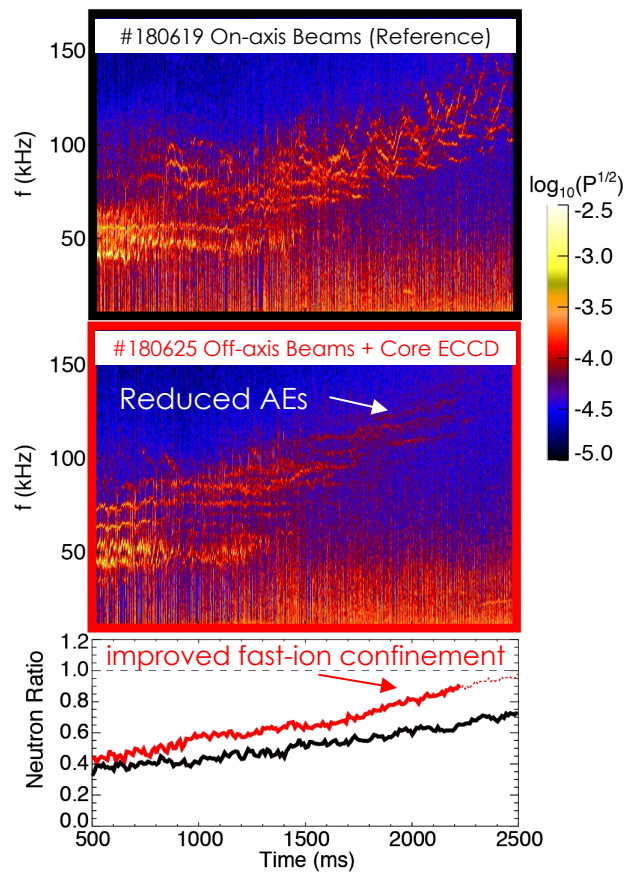


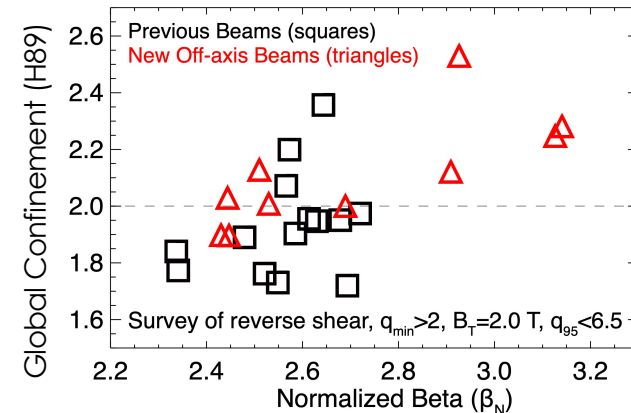
Steady-State Scenario Advanced Through Improved AE Control and Fast-ion Transport Modeling

Fast-ion confinement (neutron ratio) improved by ~25%

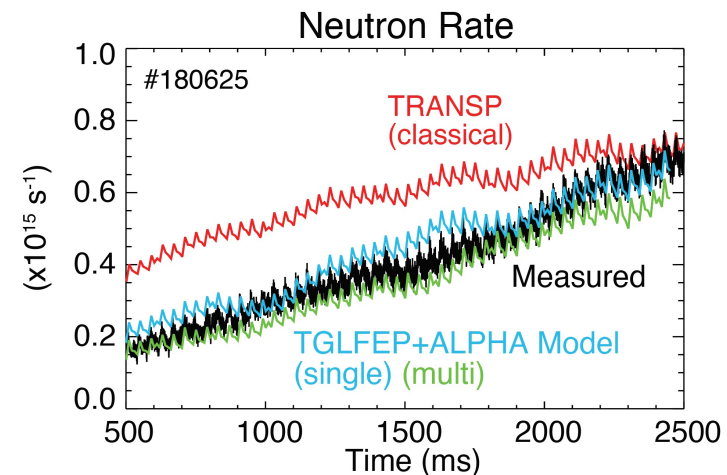
- Key factor is moving $\rho_{q_{min}}$ towards region of reduced $\nabla\beta_{fast}$



Accessed new regimes with 15% higher β_N



Improved fast-ion transport modeling



This progress in techniques and modeling offers a path for scoping studies to improve EP confinement in ITER and future advanced tokamak scenarios.