Testing the DIII-D Co/Counter Off-axis Neutral Beam Injected Power and Ability to Balance Injected Torque

by

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DIII-D has Completed a Major Upgrade to the Neutral Beams that Increases Off-Axis H&CD While Maintaining Ability to Balance Torque

Powers calibrated and neutron production successfully captured in both co-I_p and ctr-I_p for 55-81 kV

Fast visible camera imaging used to optimize vertical steering and divergence provides clearance

Low rotation and low rotation shear demonstrated by balancing co-I_p and ctr-I_p off-axis beams