Line-Average Density vs Separatrix Density 4.5 SCALE SION = 0.1SCALE SION = 0.24.0 SCALE SION = 0.4Line-Average Density ($imes10^{19}$) $[m^{-3}]$ SCALE SION = 0.63.5 SCALE SION = 0.8SCALE SION = 1.03.0 SCALE SION = 1.2SCALE SION = 1.42.5 SCALE SION = 1.6SCALE SION = 1.8 $SCALE_SION = 2.0$ 2.0 **EXPERIMENT** 1.5 1.0 0.5 0.0 0.0 0.5 1.0 1.5 2.0 2.5

Separatrix Density ($\times 10^{19}$) [m^{-3}]

TGLF Validation for DIII-D Discharge #150141 Line-Average Density vs Separatrix Density







