

Density “Pump-out” Observed with ECH Heating is Linked to An Increase in Intermediate Scale Fluctuations

- DIII-D H-mode plasmas show a strong increase in particle transport when ECH is applied
- The ECH heating increases T_e/T_i and the plasma switches from the ITG to the TEM regime around mid-radius
- An increase in intermediate scale density fluctuations is observed with the DBS
- A strong increase in the experimental perturbative diffusion coefficient is observed

