

## ABSTRACT

The radiative dissipation of divertor target heat flux on DIII-D is shown to greatly exceed the limitations of energy transport dominated by electron thermal conduction parallel to the magnetic field. More than 80% of the power flowing into the outboard divertor is dissipated through radiation with a broad poloidal profile. It is shown that energy transport dominated by convection over a large region of the divertor is consistent with the data.