

Abstract Submitted
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Evolution of Edge Pedestal Transport Between ELMs¹ W.M. STACEY, Georgia Tech, R.J. GROEBNER, General Atomics — Measured profiles of density, temperatures, rotation velocities and radial electric field in several time bins between edge localized modes (ELMs) in a H-mode DIII-D discharge have been interpreted within the context of the particle, momentum and energy balance constraints to elucidate the evolution of transport within the edge pedestal between ELMs. The evolution of the toroidal angular momentum transfer rate, the particle diffusion coefficient and pinch velocity, and the electron and ion thermal diffusivities were inferred from the measured data. The measured data are generally consistent with the particle, momentum and energy balance constraints, within the limitations imposed by the resolution of the CER data.

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W.M. Stacey
Georgia Tech.

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