

Abstract Submitted
for the DPP02 Meeting of
The American Physical Society

Sorting Category: 5.6.2 (Experimental)

Comparisons of Measurements and Simulations of Turbulence and Transport for DIII-D Discharges with Off-Axis Modulated ECH¹ R.V. BRAVENEC, D.W. ROSS, M.E. AUSTIN, K.W. GENTLE, U. Texas, Austin, J.C. DEBOO, DIII-D TEAM, GA, G.R. MCKEE, U. Wisconsin, Madison, W. DORLAND, U. Maryland, T.L. RHODES, L. ZENG, UCLA — Experiments to elucidate the nature of electron thermal transport have been conducted in DIII-D plasmas using modulated off-axis electron-cyclotron heating (ECH). Density fluctuations were measured using beam-emission spectroscopy, microwave reflectometry, and far-infrared scattering. Simulations of the experiment are performed with the gyrokinetic and gyrofluid flux-tube codes GS2² and GRYFFIN,³ respectively. Comparisons of experiment and simulation results for the fluctuations and transport fluxes (ion and electron) will be presented for both time-averaged and modulated quantities.

¹Supported by US DOE Contract DE-AC03-99ER54463 and Grants DE-FG03-97ER54415, DE-FG03-96ER54373, DE-FG02-93ER54197, and DE-FG03-01ER54615.

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- Prefer Oral Session
 Prefer Poster Session

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Special instructions: Poster 2, Edge/Divertor/Transport

Date submitted: July 19, 2002

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