

Diamond Gyrotron Windows on DIII-D

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The DIII-D gyrotron complex was upgraded with new 110 GHz gyrotrons with artificially grown diamond output windows. We compare the results of infrared measurements of window temperatures with thermal equilibrium calculations for multi-second pulse lengths and output rf power near 1 MW.

*Supported by US DOE under DE-FC02-04ER54698 & DE-AC05-76OR00033.

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