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Modeling Radiation Drive in Recent Hohlraum Experiments on Omega*

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We present results from 2-D LASNEX simulations which model recent indirect drive experiments conducted on Omega at LLE. These experiments differ from the typical NOVA experiments in that the laser beam is distributed into three cones at angles of 21,42 and 60 degrees. They also differ in diagnostic accessibility; we can now measure absolute x-radiation power escaping through the laser entrance hole (at ~ 36 degrees) in additional to the power through the traditional dante hole. The experimental diagnostics are simulated and comparison of predicted temperatures and experimental temperatures is made. In addition, the self-emission coming from stagnation is also calculated and compared to that obtained from experiment.

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