

## **HYDRODYNAMIC INSTABILITY GROWTH MEASUREMENTS FOR INDIRECTLY-DRIVEN SPHERICAL SHELLS ON OMEGA**

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The growth of hydrodynamic instabilities was studied on the OMEGA laser facility using indirectly-driven spherical shells with pre-imposed modulations.

The optical density growth and geometrical growth of modes 20 and 30 were measured using time-gated x-ray radiography for a shell convergence ratio of  $\sim 2.5$  and two different ablator materials (CH(Ge)4%at. and CH(Si)4%at.). The results are compared with FCI2 simulations.