

Abstract Submitted
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Interpretation of symmetry experiments on Omega LAURENCE LOURS, MARIE-CHRISTINE MONTEIL, FRANCK PHILIPPE, JEAN-PAUL JADAUD, MICHEL NAUDY, BRUNO VILLETTE, CEA, BP12, 91680 Bruyeres le Chatel, France — Since 1999, CEA has performed experiments on Omega in collaboration with LLNL. A summary of the symmetry shots with 3 cone LMJ-like irradiation (1999-2004) is presented here. The capsules used are Si foamballs, but a radiography test has also been performed with a 50 micron thick CHGe ablator capsule. Taking into account the measured backscattering, the radiation temperature can be compared to FCI2 calculations, as well as the evolution of the mean radius of the ablation front and the 2nd and 4th order distortions. The symmetry of foamballs is well predicted in FCI2 simulations, either with isotropic or anisotropic laser configuration.

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