

Abstract Submitted
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Interpretation of symmetry experiments on Omega LAURENCE LOURS, JOSIANE BASTIAN, MARIE-CHRISTINE MONTEIL, FRANCK PHILIPPE, JEAN-PAUL JADAUD, CEA, BP12, 91680 Bruyeres le Chatel, France — The interpretation of the symmetry experiments performed on Omega in 2005 with 3 cone LMJ-like irradiation is presented here. The goal of this campaign was the characterization of the irradiation symmetry by X-ray imaging of the D2Ar capsule. Images of backlit implosion (as done in earlier campaigns with foam balls) and core emission were obtained on the same shot, and can be compared to FCI2 simulations. This set of shots confirms former results with foam balls of a good symmetry control with 3 cones in empty hohlraums. The influence of the hohlraum shape on symmetry is also studied by comparison of cylindrical hohlraums vs rugby ones.

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