

Abstract Submitted
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Update on Ignition Studies at CEA PIERRE-ANDRE HOLSTEIN,
CEA — In the frame of the ICF Program at CEA with the Laser Megajoule (LMJ) we sum up our main results regarding experimental results obtained with the Omega laser (DOE collaboration): they concern some implosions of capsules filled with D2+Ar, the diagnostics are the core images with temporal resolution and the radiograph (symmetry study). On the other hand, the hydro-instability experiments are devoted to the study of the interplay of 2 perturbation modes and 3D perturbations. As far as the target design is concerned, we are extending the LMJ domain of operations to low laser energy.

Pierre-Andre Holstein
CEA

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