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Wall-shaped hohlraum influence on symmetry and energetics in
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France — On the way to the LMJ completion, achieving ignition with 40 quads
in a 2-cone configuration will be attempted as a first step. Theoretical investigation
of a rugby-shaped hohlraum shows energetics optimization and a better symmetry
control compared to a cylindrical hohlraum [1]. We recently conducted experiments
on the Omega laser facility with 3 different wall-shaped methane-filled hohlraum
configurations. We present here the experimental results. Energetics benefits are
shown for reduced wall area hohlraums. The wall-shaped hohlraum influence on
time-dependent radiation symmetry is also discussed. For the 3 gas-filled hohlraums
configurations, we compare the foamball early-time radiographs, the D2Ar-filled cap-
sule time-integrated images and the core self-emission images. [1] M. Vandenboom-