LMJ Target design with the A1040 CH-ignition capsule in a cocktail hohlraum G. MALINIE, C. BONIFACE, CEA/DIF, Bruyères le Chatel - 91297 Arpajon Cedex — The A1040 indirect-drive ignition capsule was originally designed for the “Full LMJ” 240-beam configuration. An “Ignition milestone” has been scheduled, when the LMJ will be only partly completed, with a 160-beam, 2-cone configuration. A first approach to meet this milestone is to scale down the capsule and hohlraum of the full LMJ design. Here we use a different approach and show the A1040 “as is” can still meet the milestone, provided that a suitable cocktail-walled rugby hohlraum is used to drive the capsule. This is because this kind of hohlraum has a better energetic efficiency than the gold-walled cylinder originally used. From 1D and 2D integrated simulations, we investigate the influence of various parameters of the design, such as the shape of the four steps of the laser pulse, the density of the H/He gas filling of the hohlraum, and the effect of a thin gold coating on the outer surface of the polyimid window used to contain the gas.