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**Issues in assembling fuel for Fast Ignition** MAX TABAK, DANIEL CLARK, Lawrence Livermore National Laboratory — Optimized Fast Ignition designs require that the fuel must be assembled into a compact mass with little separation from the critical surface. In addition, the fuel must be assembled with good hydrodynamic efficiency and with low entropy. The cone-focus targets have been designed that meet some of these criteria. In this poster we discuss requirements to optimize targets with and without cones. Specific designs are suggested. This work was performed under the auspices of the U.S. Department of Energy by University of California, Lawrence Livermore National Laboratory under Contract W-7405-Eng-48.

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