

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

An Assessment of Inertial Confinement Fusion Target Physics

A Panel on Fusion Target Physics (“the Panel”) will serve as a technical resource to the Committee on Inertial Confinement Energy Systems (“the Committee”) and will prepare a report that describes the R&D challenges to providing suitable targets, on the basis of parameters established and provided to the Panel by the Committee.

The Panel on Fusion Target Physics will prepare a report that will assess the current performance of fusion targets associated with various ICF concepts in order to understand:

1. The spectrum output;
2. The illumination geometry;
3. The high-gain geometry; and
4. The robustness of the target design.

The Target Physics Panel will examine technology options, but will not provide recommendations specific to any currently operating or proposed ICF facility.

Additional information at: <http://www8.nationalacademies.org/cp/projectview.aspx?key=49317>

PANEL ON INERTIAL CONFINEMENT FUSION TARGET PHYSICS

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