

Abstract Submitted
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Modeling a Carbon Diagnostic System Using MCNPX¹ S.H. FAY,
C.M. KUHN, E.E. SMITH, S.L. STEPHENSON, Gettysburg College, T.C. SANG-
STER, V. GLEBOV, LLE University of Rochester, S.J. PADALINO, SUNY Geneseo
— MCNPX is currently being used to model various carbon diagnostic configura-
tions for use at OMEGA with plans to design a similar system for the National
Ignition Facility (NIF). The purpose of such models is to optimize the carbon diag-
nostic's detection of signature products (i.e. tertiary neutrons) from a self-sustaining
inertial confinement fusion (ICF) implosion. Results will be presented.

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Erin Smith
Gettysburg College

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