

Abstract Submitted
for the DPP13 Meeting of
The American Physical Society

The Rocket Equation Improvement under ICF Implosion Experiment YANBIN WANG, ZHIJIAN ZHENG, Laser Fusion Research Center — The ICF explosion process has been studied in details. The rocket equation has been improved in explosive process by introducing the pressure parameter of fuel. Some methods could be drawn by the improved rocket equation. And the methods could be used to improve ICF target design, driving pulse design and experimental design. The First is to increase ablation pressure. The second is to decrease pressure of fuel. The third is to use larger diameter of target sphere. And the forth is to a shorten driving pulse.

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Date submitted: 04 Jun 2013

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