

Abstract Submitted
for the DPP20 Meeting of
The American Physical Society

HADES start-up¹ PIERRE-ALEXANDRE GOURDAIN, M.B. ADAMS, M. EVANS, H. R. HASSON, J. YOUNG, I. WEST-ABDALLAH, University of Rochester — The High Amperage Driver for Extreme States, HADES, is a multi-cavity pulsed-power driver based on linear transformer driver technology. Designed as a compact machine, HADES uses current-adding transmission lines to combine 2x600kA in less than 250 ns via a post-hole assembly. We are presenting here the engineering validation of current adding technology and how it relates to machine triggering and load inductance. Key design features such as parallel cavity charging, and independent brick triggering will be discussed.

¹Research supported by NSF PHY-1943939 and PHY-1725178

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Date submitted: 02 Jul 2020

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