

Abstract Submitted
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Progress toward Triggering ELMs with Injected Li Granules on NSTX¹ D. MANSFIELD, A.L. ROQUEMORE, H.W. KUGEL, PPPL, L.R. BAYLOR, R. MAINI, ORNL, P. PARKS, W. WU, GA — Efforts to trigger/pace low amplitude ELMs at high frequencies using injected Lithium granules have been undertaken at PPPL. A dropper/impeller injection technology is being developed and is scheduled for installation on NSTX during the 2011-12 run campaign. Using this technology, millimeter-scale spherical Lithium granules can potentially be injected at “pacing” frequencies up to several hundred Hz and injection speeds approaching 100m/s.

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D. Mansfield
PPPL

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