

# Abstracts

## High Peak and Average Power Microwave Source Research at Physics International

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*D. Price, J. Benford, S. Ashby, N. Cooksey, D. Drury, B. Harteneck, J.S. Levine, L. Schlitt, P. Sincerny, D. Sprehn, L. Thompson and M. Willey. "High Peak and Average Power Microwave Source Research at Physics International." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. 1 [MWSYM]): 229-232.*

CLIA (Compact Linear Induction Accelerator) is a 750 kV, 10 kA pulse power generator using magnetic switching to produce 100 ns long pulses at 200 Hz (150 kW average power) for longer than 1 second. An L-band magnetron, an S-band, frequency-agile klystron and an L-band, high perveance klystron have been successfully operated in bursts with peak powers exceeding 1 GW and average powers approaching 10 kW.

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