

Abstract Submitted
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Terahertz Pulse Generation from a 200 kHz Femtosecond Laser¹

STEVEN SOLIS, JONATHAN NESPER, AITOR SANJUAN, JOHN BEETAR, SHIMA GHOLAM-MIRZAEI, MICHAEL CHINI, University of Central Florida — Using a LiNbO₃ crystal and the pulse front tilt technique, we designed a setup for THz pulse generation at high repetition rate. A Yb:KGW amplifier produces 1030nm, 280 fs pulses with 20 W average power, from which THz radiation is generated at repetition rates ranging from 50-200 kHz.

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