

THERMAL EMISSION OF CARBON
MICROPARTICLES IN POLYMER
MATRICES UNDER PULSED
LASER EXCITATION

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S u m m a r y

Laser-induced incandescence (LII) of carbon microparticle suspensions in high-viscosity media under powerful excitation with a Q-switched neodymium laser has been investigated. The effect of LII buildup was detected, when suspensions of synthetic resins and polymers were irradiated with a sequence of laser pulses. The experimental data testify to an increase of the effective size of emission centers under the action of the laser radiation.