

Abstract Submitted
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Visualization of filament on DCM dye JINHAI CHEN, University of New Mexico, MILAN POUDEL, ALEXANDRE KOLOMENSKI, Texas A&M, HANS SCHUESSLER, Texas A&M, UNIVERSITY OF NEW MEXICO TEAM, TEXAS A&M COLLABORATION — The filament, which consisted of self-focusing, defocusing, intensity clamping and self-phase modulation has been visualized using two-photon fluorescence. The systematic study of power dependence for DCM dye was compared with that of coumarin-30 dye. The simultaneous measurement of two-photon fluorescence and transmission including white light emission was performed to better

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