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Nanosecond Duration Broadband Luminescence of Quartz Glasses

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Abstract: The results of investigations of luminescence, excited by radiations of N_2 - and Nd^{3+} : YAG-lasers ($\bullet = 337$ nm, $\bullet = 532$ nm) in high purity quartz glasses are reported. The luminescence has broad spectrum (350-850 nm) and very short duration (1-20 ns).



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