

Abstract Submitted
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Slow and stored light propagation under the condition of resonant four-wave mixing IRINA NOVIKOVA, NATHANIEL PHILLIPS, The College of William and Mary — We study the possibility of simultaneous storage of a resonant probe and off-resonant Stokes pulses in a hot Rb vapor cell. Specifically, under the conditions of electromagnetically induced transparency and resonant four-wave mixing the coupled propagation of both fields may be connected to the same dark state polariton. Experimental data and numerical simulations are presented.

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