Abstract Submitted
for the MAR06 Meeting of
The American Physical Society

Large Double-EIT and Mutual Phase Shifts in Rubidium[1] BARRY SANDERS[2], ZENG-BIN WANG, KARL-PETER MARZLIN, Institute for Quantum Information Science, University of Calgary — We propose a scheme to achieve large double-EIT and mutual phase shifts for two slow, co-propagating pulses of light through a Rubidium gas, with the additional advantages of enabling equal group velocities for the two pulses and avoiding cancellations of nonlinearities at resonance.

[1]This project is supported by iCORE and NSERC.
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Date submitted: 05 Dec 2005 Electronic form version 1.4