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Can the solid hydrogen work as a "resonant slow-light medium"?

Resonant EIT system in Solid HydrogenDoping Atoms, Molecules in Solid HydrogenSolid hydrogen as a Matrix:
Extremely Small InhomogeneityOrthohydrogen as a Molecular Dopant
Orthohydrogen: Nuclear Spin I = 1Vibrational Transition: Allowed via Crystal Field
Transition Wavelength: 2.4 μmETT using nuclear-spin sublevels through vibrational transition
Nuclear Spin Manipulation via Molecular VibrationSlow Light, Frozen Light, Parametric Beating, etc





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