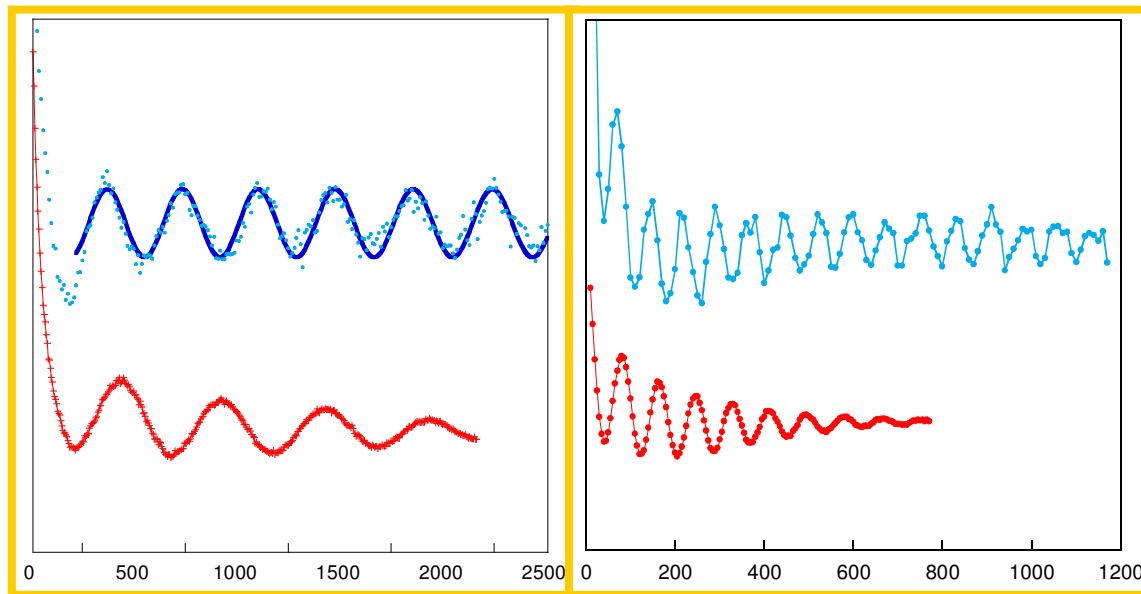


Optically Induced and Detected Spin Coherence: Quantum information storage in a semiconductor quantum dot

Coherent optical transient spectroscopy of single electron doped quantum dots

Quantum beats show coherence with oscillation period at the Larmor precession frequency

Decay of quantum beats due to inhomogeneous broadening and spin diffusion, show $T_2^* > 10$ nsec



Anomalous dependence of beat phase and amplitude on Larmor frequency;

The dependence is the first observation of spontaneous spin coherence

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