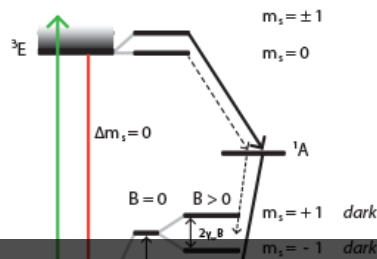




Quantum Sensing by Diamond Magnetometer



Energy-level scheme of the NV center. A green laser excites the NV center to the 3E state, from where it either decays to 3A or undergoes intersystem crossing to the metastable state 1A , before decaying to the $m_s = 0$ ground state.

[Overview](#)[Sample Experiments](#)[Key Features](#)[Applications](#)[Downloads](#)

Key Features

Probe: HPHT Diamond

Excitation: 520 nm CW Diode Laser

Microwave: 4 GHz RF Sweep Generator

Detection: Photodiode, Control & Read-Out Unit

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