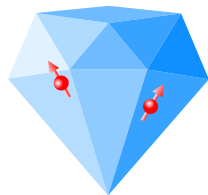
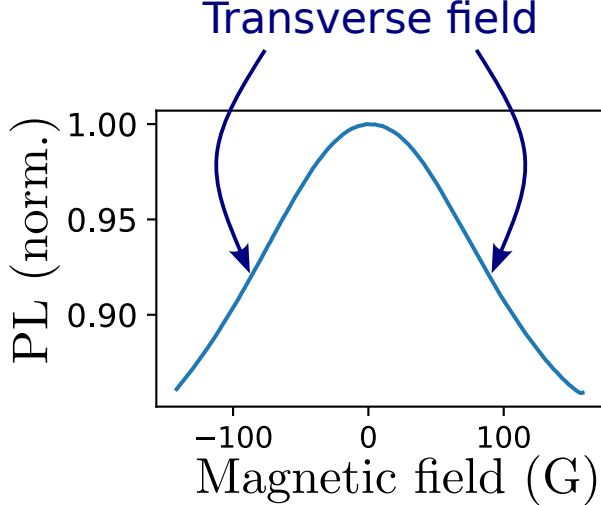
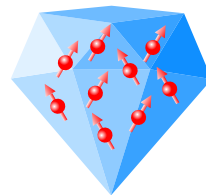
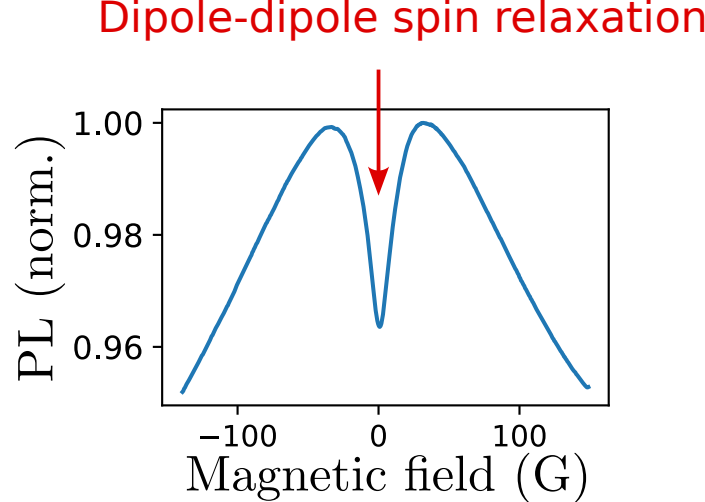


Non-zero transverse
magnetic field
on all 4 classes



Low NV density
[NV] \leq 100 ppb



High NV density
[NV] \geq 1 ppm

Sharp PL feature \rightarrow magnetometry