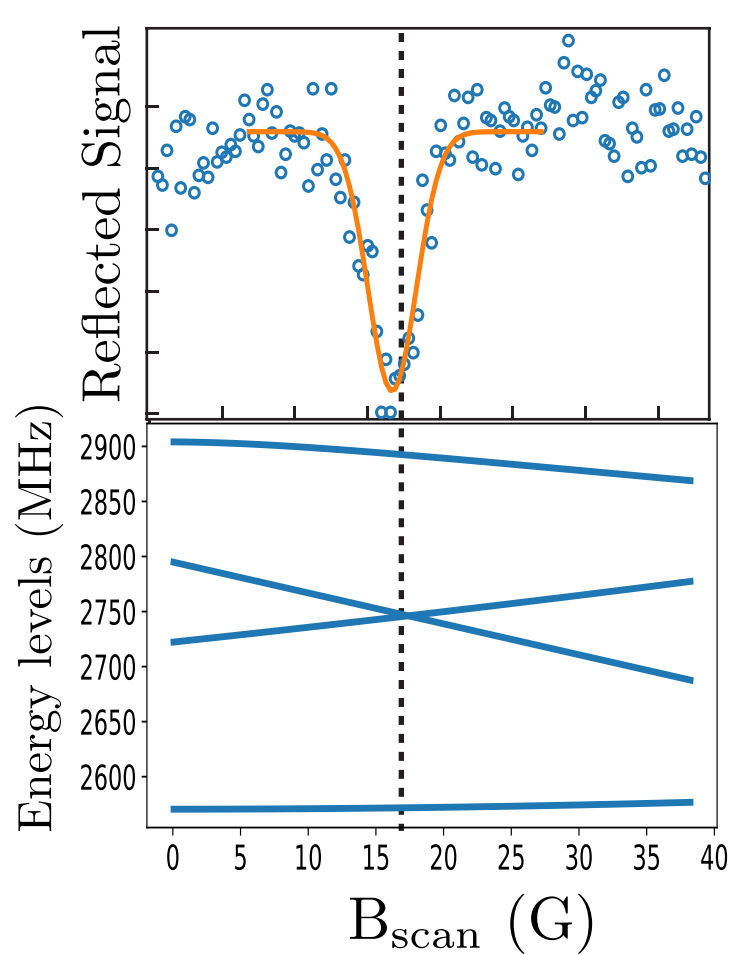PL detection　　　　　　　Torque Detection