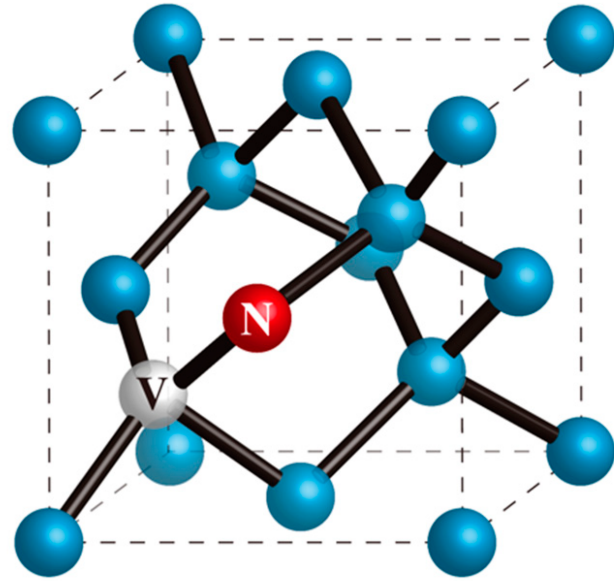
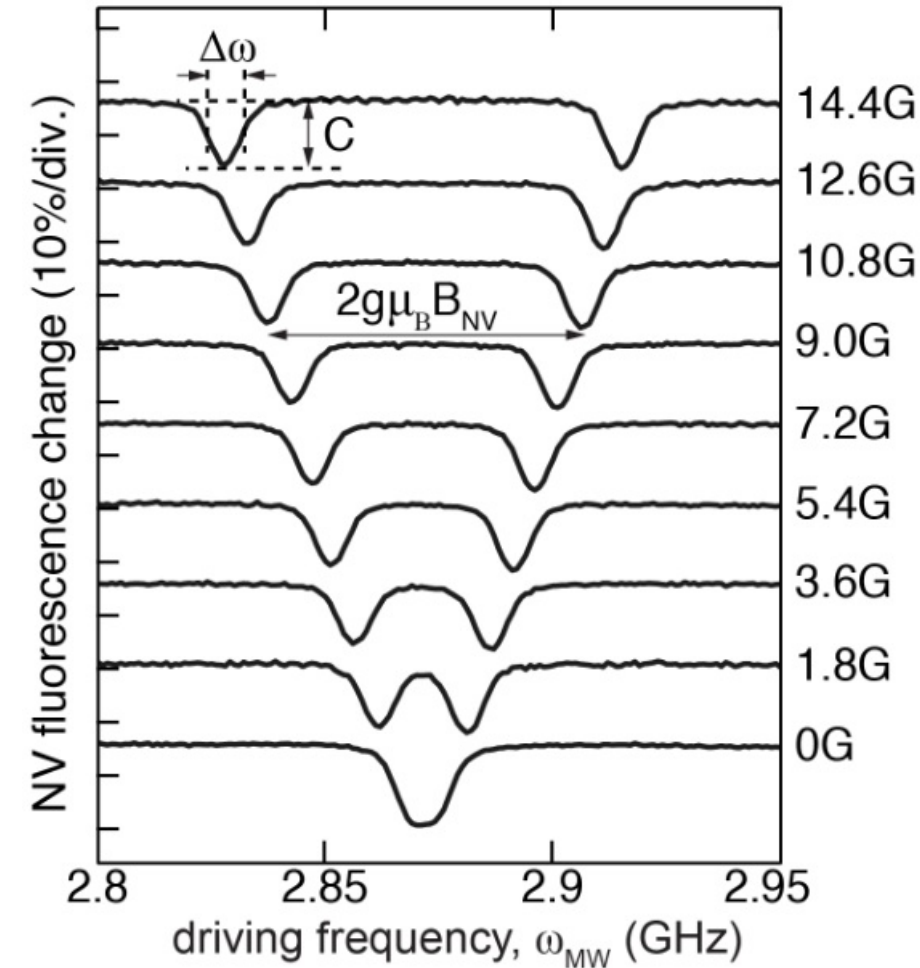


Point-like defect  
in diamond



Electronic spin 1:  
→ 2 spin transitions



Zeeman effect:  
→ linear dependance of the spin  
transition frequency with  $\vec{B}$

- Works at room temperature
  - Can be put arbitrarily close to the magnetic source (low toxicity, chemically inert)
- Potential replacement for SQUID and OPM ?