Electron Paramagnetic Resonance and Dynamic Nuclear Polarisation

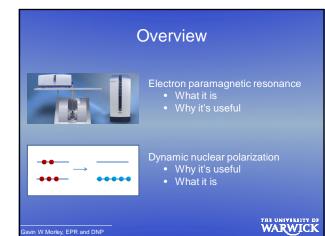
CH916



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Electron paramagnetic resonance (EPR)



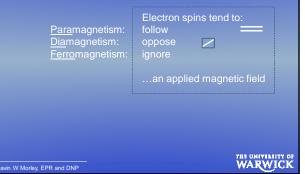
... or electron spin resonance (ESR) ... or electron magnetic resonance (EMR) ... or ferromagnetic resonance (FMR)

EPR is NMR for electrons

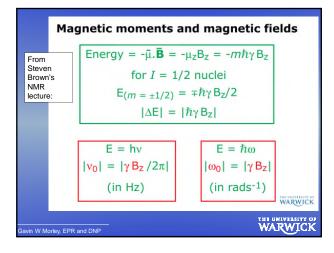
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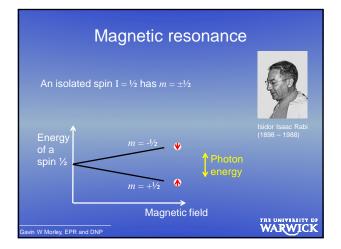


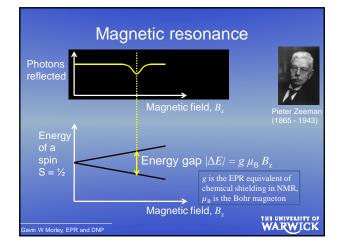
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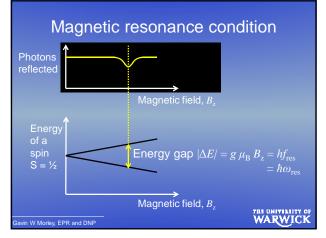


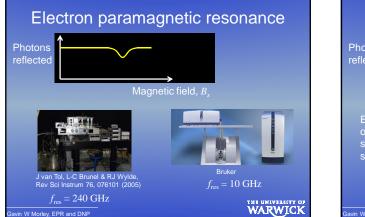
Magnetism

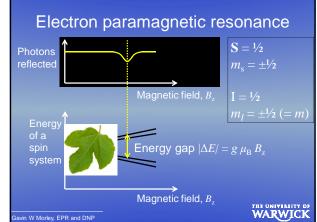


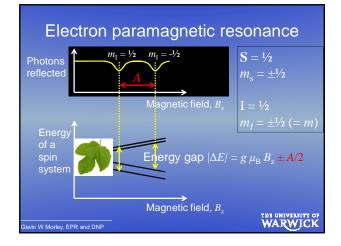


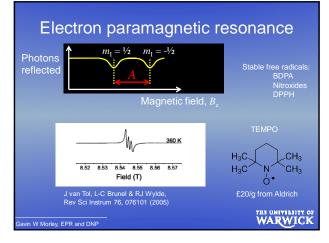


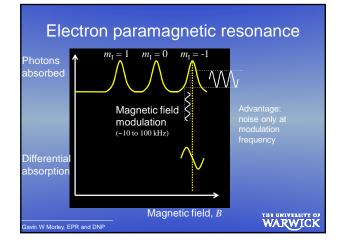


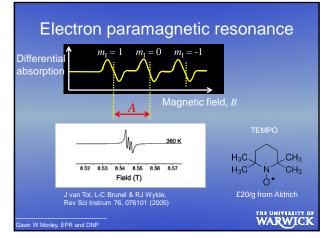


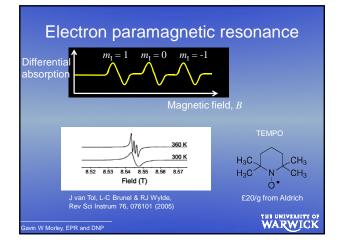


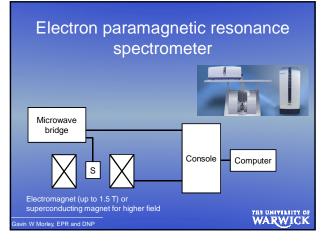




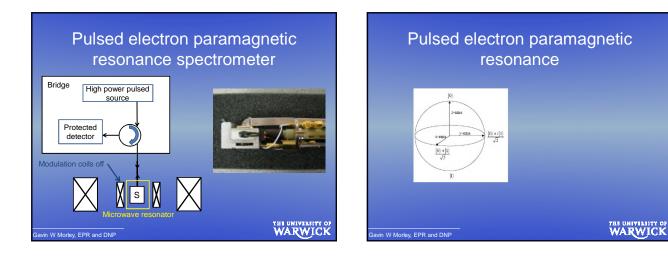


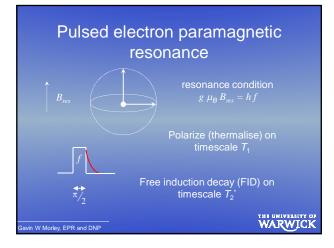


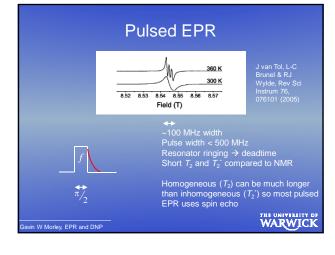


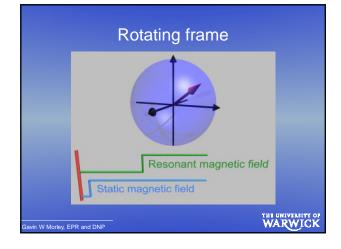


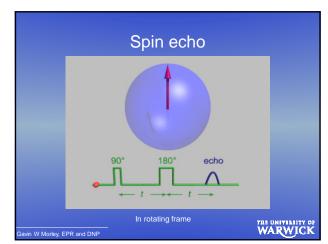


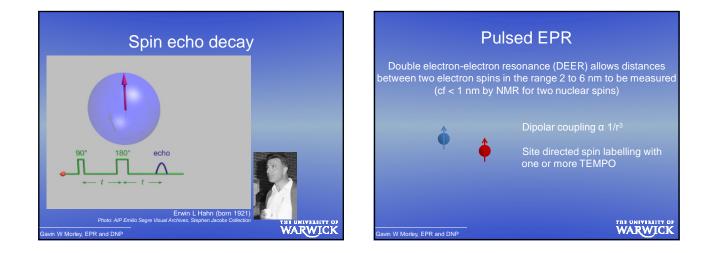


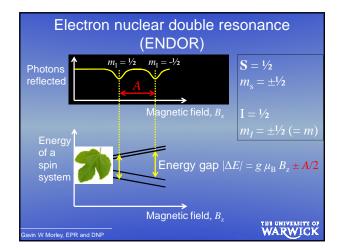


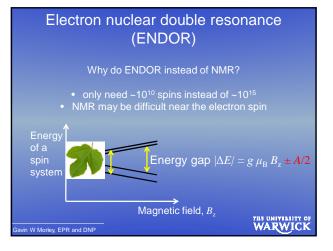


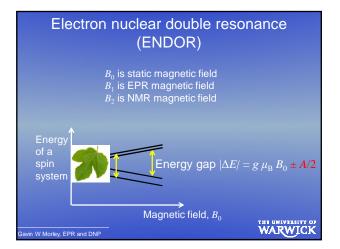


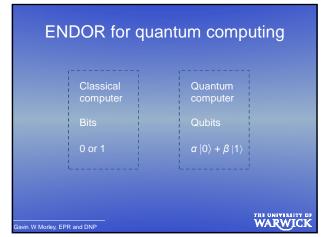


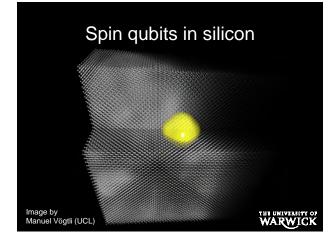












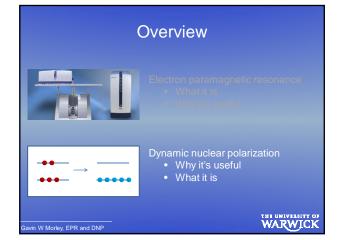
Other EPR applications

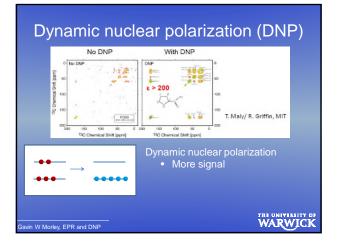


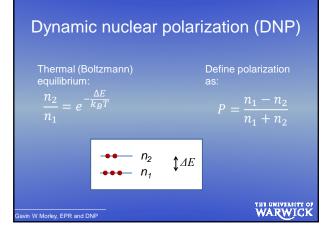
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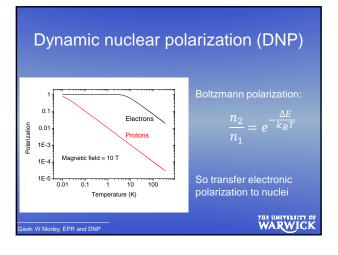
Quality control in beer, wine etc
Radiation dose received by

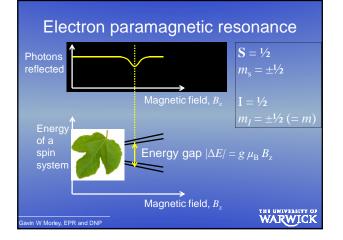
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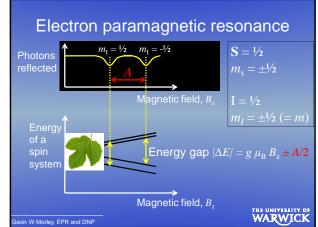












Dynamic nuclear polarization (DNP)

