

UK High Field ESR Facility-Example Applications.

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This poster will outline recent measurements from UK High Field ESR facility at St-Andrews, which offers multi-frequency measurements in the range 30-300GHz and in the temperature range from 4K to over 300K. It illustrates how multi-frequency high field ESR can solve several problems like those related to g-factor resolution and systems with large zero-field splittings. It will include examples of ESR works done on shells, where the overlapping of several closely signals requires to be well separated and used for ESR dating, on anti-ferromagnetic systems and others studies related to high spin systems.