



CO.CO.MAT

CONTROL OF QUANTUM CORRELATIONS IN TAILORED MATTER
SFB/TR 21 – STUTTGART, ULM, TÜBINGEN

Seminar

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EPR detected via magnetization measurement of a Fe₈ single-molecule magnet

We present a complimentary EPR method that combines high-sensitivity magnetization measurements using a Hall probe magnetometer together with microwave absorption measurements. A quantitative analysis of the results is introduced by means of the spin temperature. It is shown that the pulsed microwave experiments allow a better control over the spin excitations and could provide information about the spin dynamics in the single-molecule magnet Fe₈.

Wann? Dienstag, 21.03.2006, 13:00 Uhr

Wo? Universität Stuttgart, Raum 3.351