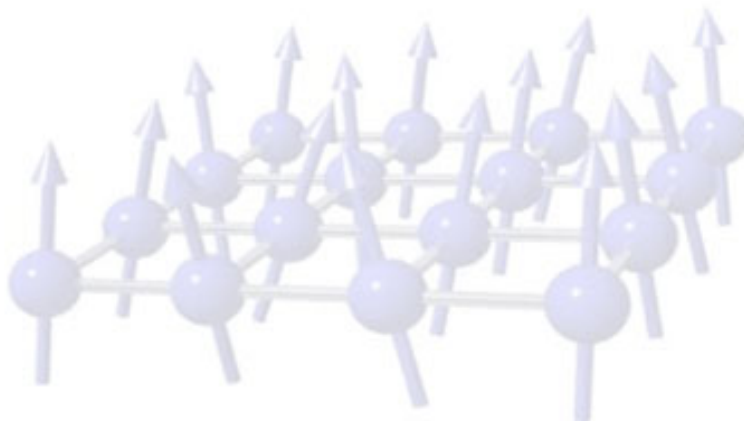


Prof. Dr. Philipp Gegenwart
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Quantum criticality in strongly correlated electron systems

The phenomena occurring at the disappearance of a magnetically ordered state upon tuning a non-thermal parameter like pressure, composition, or magnetic field are presently one of the central topics in the field of strongly correlated electron systems. Most interesting are compounds in which the transition temperature could be tuned continuously down to $T = 0$ K, leading to a quantum critical point. In my talk, I will discuss recent low-temperature thermodynamic and transport experiments on f-electron based heavy-fermion systems as well as transition-metal oxides.



15. Mai 2009, 15:30 Uhr

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