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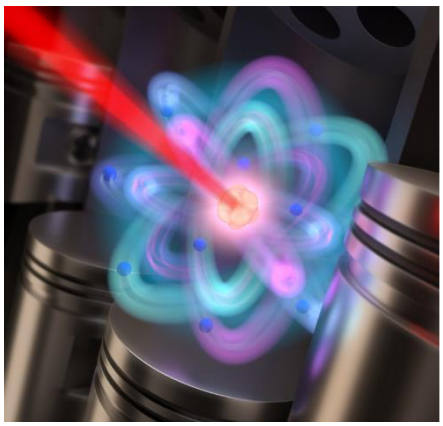
Einladung zum Physikalischen Kolloquium

Montag, 12.11.2018
16:15 Uhr in N24/H13

Prof. Massimo Palma
Dipartimento di Fisica e Chimica
Università degli Studi di Palermo
Italy

The strange thermodynamics of the quantum world

The link between thermodynamics and quantum physics dates to the very early days of quantum theory. The black body spectrum, the Fermi-Dirac and the Bose-Einstein statistics are notable examples of the way quantum physics has helped understanding the thermodynamic behaviour of matter and the other way round the way in which thermodynamics has helped understanding the quantum world. In recent years, the advent of quantum information theory has lead on the one hand to a deeper understanding of the thermodynamics of mesoscopic and macroscopic systems, linking the emergence of a thermodynamic behaviour with quantum entanglement, a distinctively quantum phenomenon, and on the other hand it has shown how quantum coherence can enhance the efficiency of quantum thermodynamic engines at a microscopic / mesoscopic level.



Ab 16.00 Uhr Kaffee, Tee und Kekse vor dem Hörsaal H13
Organisation: **Prof. Dr. F. Jelezko, Tel. 23750**
Host: **Prof. Dr. S. Huelga, Tel. 22924, off.: 22911**