



LUDWIG-
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MÜNCHEN

ARNOLD SOMMERFELD
CENTER FOR THEORETICAL PHYSICS



Arnold Sommerfeld Lecture Series

Professor Subir Sachdev

Harvard University, USA

Condensed Matter Theory Seminar:

Quantum phase transitions, and the high
temperature superconductors

The last three decades have witnessed the discovery of many new superconductors, with properties dramatically different from the conventional low temperature superconductors described by the Bardeen-Cooper-Schrieffer theory. These new superconductors can have much higher critical temperature, and all display antiferromagnetism in their phase diagrams. I will introduce the theory of quantum phase transitions, and use it to interpret recent experiments on these materials.

Friday, February 3, 2012, 10:15 h, Room A 348/349, Theresienstr. 37, LMU

Prof. D. Lüst, Prof. J. von Delft, Prof. W. Zwerger (TUM)