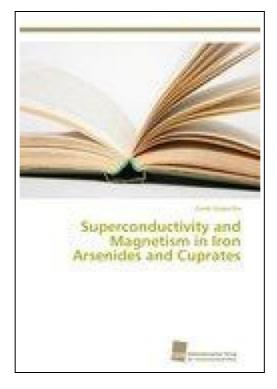
# Superconductivity and Magnetism in Iron Arsenides and Cuprates



Filesize: 6.35 MB

# Reviews

This book is fantastic. This is certainly for all those who statte there had not been a really worth reading. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Prof. Dale Fahey MD)

# SUPERCONDUCTIVITY AND MAGNETISM IN IRON ARSENIDES AND CUPRATES



Südwestdeutscher Verlag Für Hochschulschriften AG Co. KG Mai 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - High-temperature (high-Tc) superconductivity is a fascinating field in condensed matter physics research. After more than twenty-five years of research, the origin of high-Tc superconductivity is still not clear. To understand the microscopic pairing mechanism and to explain high-Tc superconductivity are for academic and technical reasons of great interest. This book is focused on the studies of superconducting (SC) and magnetic properties in two classes of high-Tc superconductors. Namely, in the novel Fe-based compounds Eu122, BaRb122 and in the cuprate system LBCO with 1/8 doping. The combination of muon-spin rotation, nuclear magnetic resonance, magnetization, and x-ray experiments allowed to probe the properties at the microscopic and macroscopic level. As a result, the superconducting and magnetic phase diagrams with respect to charge carrier doping as well as chemical and hydrostatic pressure were obtained. The phase diagrams cover the transition temperatures, the ordered moments and the volume fractions. The obtained phase diagrams revealed that, in the systems studied, superconductivity and magnetism are competing orders. 116 pp. Englisch.



Read Superconductivity and Magnetism in Iron Arsenides and Cuprates Online Download PDF Superconductivity and Magnetism in Iron Arsenides and Cuprates

## Other PDFs



#### DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs...

Save ePub »



## Eighth grade - reading The Three Musketeers - 15 minutes to read the original ladder-planned

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 124 Publisher: China Electric Power Press Pub. Date: 2010-8-1. Contents: The first...

Save ePub »



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book
\*\*\*\*\* Print on Demand \*\*\*\*\*\*. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Save ePub



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book
\*\*\*\*\* Print on Demand \*\*\*\*\*\*. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

Save ePub »



#### Books are well written, or badly written. That is all.

GRIN Verlag Okt 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Essay from the year 2007 in the subject English - Literature, Works,...

Save ePub »