

Transition To High Temperature Superconductivity "A Review"

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Right after the discovery of high temperature superconductivity in 1986 it has provided a new path for scientific enquiry. In 1986, it was discovered that some cuprate-perovskite ceramic materials have a critical temperature above 90 K. For conventional superconductors such a high transition temperature is theoretically not possible. Right now we know only about their nature, however there are many unsolved issues over this topic. Its manufacturing issues and ambient pressure are challenging issues to make it practical. This paper gives a brief review on the recent developments taken place in field of condensed matter physics for achieving transition to high temperature superconductivity.

Topics

Session A. Physics of condensed matter and spectroscopy

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