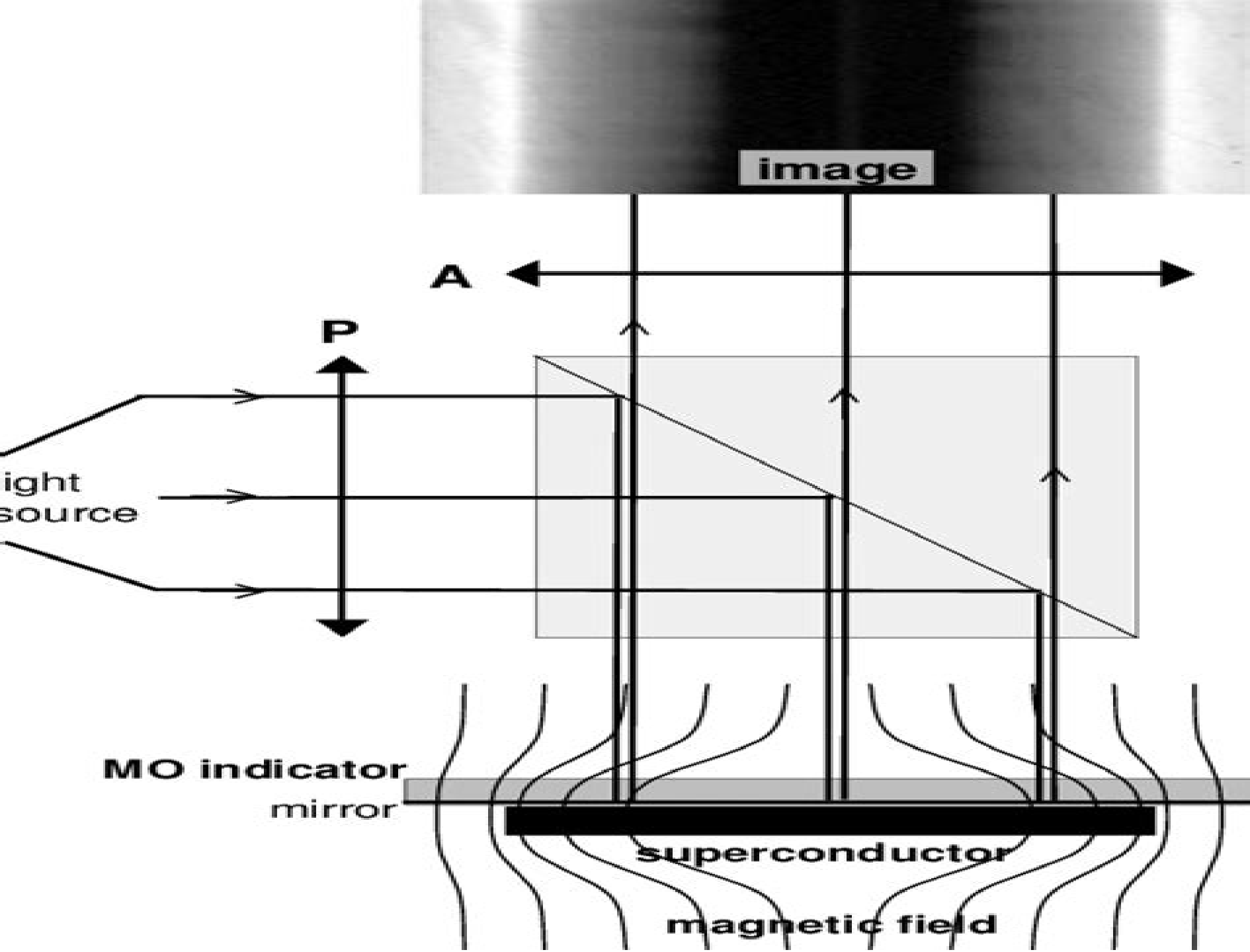




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Christian G. Meyer



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Pan, Zafer Durusoy, 1999-04-30 Proceedings of the NATO Advanced Study Institute Kusadasi Turkey July 26 August 8 1998

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These proceedings include 76 papers on vortex structure and dynamics flux pinning flux creep and melting critical state phenomena weak links as well as technical problems for fabrication of materials with high critical current density for both high temperature and low temperature superconductors *Advances in Superconductivity XII* T. Yamashita, K. Tanabe, 2013-11-11

The 12th International Symposium on Superconductivity was held in Morioka Japan October 17 19 1999 Convened annually since 1988 the symposium covers the whole field of superconductivity from fundamental physics and chemistry to a variety of applications At the 12th Symposium a mini symposium focusing on the two dimensionality of high temperature superconductors or the c axis transport and a session on vortex physics were organized There were also many reports on the recent developments of YBCO based coated conductors both in the United States and in Japan AC losses of wires and tapes developments of bulk materials with strong flux pinning the recent progress in thin film and junction technologies and the demonstration of various electronics applications using SQUIDS microwave devices and single flux quantum SFQ digital devices This volume is a valuable resource for all those working in the field of superconductivity **From Atomic To Mesoscale: The Role Of Quantum Coherence In Systems Of Various Complexities** Svetlana A Malinovskaya, Irina Novikova, 2015-06-29

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Magnetism and Synchrotron Radiation: Towards the Fourth Generation Light Sources Eric Beaurepaire,Hervé Bulou,Loic Joly,Fabrice Scheurer,2013-11-26 Advances in the synthesis of new materials with often complex nano scaled structures require increasingly sophisticated experimental techniques that can probe the electronic states the atomic magnetic moments and the magnetic microstructures responsible for the properties of these materials At the same time progress in synchrotron radiation techniques has ensured that these light sources remain a key tool of investigation e g synchrotron radiation sources of the third generation are able to support magnetic imaging on a sub micrometer scale With the Sixth Mittelwihr School on Magnetism and Synchrotron Radiation the tradition of teaching the state of the art on modern research developments continues and is expressed through the present set of extensive lectures provided in this volume While primarily aimed at postgraduate students and newcomers to the field this volume will also benefit researchers and lecturers actively working in the field

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