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Low Temperature Solid State Physics H. M. Rosenberg, 1963 *Low Temperature Solid State Physics* Harold Max Rosenberg, 1965 *Low Temperature Solid State Physics* Reino Ajo, 1963 **Low temperature solid state physics** Harold M. Rosenberg, 1973 Superconducting and Low-Temperature Particle Detectors G. Waysand, G. Chardin, 2012-12-02 As demonstrated by the contributions in this volume the domain of superconducting and low temperature devices is in a rapidly expanding phase Interactions between materials sciences low temperature physics astrophysics nuclear and particle physics have provided the incentive for new experiments which could ultimately record such rare interactions as double beta decay neutrino scattering or collisions of the elusive dark matter halo particles The theoretical and experimental improvements achieved during the last year have been impressive Detection of 60 keV resolution with a non zero spin material as a target seems therefore realizable in the near future Similarly impressive achievements on ballistic phonons detection and superheated superconducting detectors have been presented together with reliable techniques for developing ultra low noise electronics required by these ambitious experiments Apart from the contributions presented during the symposium the two original papers by Niinikoski proposing the use of bolometers as particle detectors have been included in this volume These papers despite their current interest have never been published before The comprehensive style of the papers will appeal to specialists and non specialists alike in particular solid state physicists will find the volume of considerable interest as the field of materials research continues to benefit from the type of work presented here **Some Experiments in Low Temperature Solid State Physics** G. Peter Gill, 1970 Scientific and Technical Aerospace Reports , 1976 **ERDA Energy Research Abstracts** United States. Energy Research and Development Administration, 1977 **Nuclear Science Abstracts** , 1976 **Experimental Techniques for Low-Temperature Measurements** Jack Ekin, 2006-10-12 Publisher description Grants and Awards for the Fiscal Year Ended ... National Science Foundation (U.S.), 1976 **Energy Research Abstracts** , 1982 Thermal Conductivity of Solids at Room Temperature and Below Gregg E. Childs, Lewis J. Ericks, Robert L. Powell, 1973 Superconducting Devices & Materials , 1968 *Illinois Technograph* , 1952 **Polymer Properties at Room and Cryogenic Temperatures** Gunther Hartwig, 1995-01-31 Most descriptions of polymers start at room temperature and end at the melting point This textbook starts at very low temperatures and ends at room temperature At low temperatures many processes and relaxations are frozen which allows singular processes or separate relaxations to be studied At room temperatures or at the main glass transitions many processes overlap and the properties are determined by relaxations At low temperatures there are temperature ranges with negligible influences by glass transitions They can be used for investigating so called basic properties which arise from principles of solid state physics The chain structure of polymers however requires stringent modifications for establishing solid state physics of polymers Several processes which are specific of polymers occur only at low temperatures There are also technological aspects for considering polymers at low

temperatures More and more applications of polymeric materials in low temperature technology appear Some examples are thermal and electrical insulations support elements for cryogenic devices low loss materials for high frequency equipments It is hoped that in addition to the scientific part a data collection in the appendix may help to apply polymers more intensively in low temperature technology The author greatly appreciates the contributions by his coworkers of the Kernforschungszentrum Karlsruhe in measurement and discussion of many data presented in the textbook and its appendix Fruitful discussions with the colleagues Prof H Baur Prof S Hunklinger Prof D Munz and Prof R **Report of NRL**
Progress Naval Research Laboratory (U.S.),1962 New Scientist ,1969 **U.S. Government Research Reports** ,1962
Mechanical and Thermal Properties of Ceramics J. B. Wachtman,1969

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