



Neutron Scattering with a Triple-Axis Spectrometer: Basic Techniques (Paperback)

By Gen Shirane, Stephen M. Shapiro, John M. Tranquada

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2006. Paperback. Condition: New. Revised ed.. Language: English . Brand New Book ***** Print on Demand *****.Neutron scattering is an extremely powerful tool in the study of elemental excitations in condensed matter. This book provides a practical guide to basic techniques using a triple-axis spectrometer. Introductory chapters summarize useful scattering formulas and describe the components of a spectrometer, followed by a comprehensive discussion of the resolution function and focusing effects. Later sections include simple examples of phonon and magnon measurements, and an analysis of spurious effects in both inelastic and elastic measurements, and how to avoid them. Finally, polarization analysis techniques and their applications are covered. This guide will allow graduate students and experienced researchers new to neutron scattering to make the most efficient use of their experimental time.



[READ ONLINE](#)
[9.71 MB]

Reviews

It is great and fantastic. It can be written in easy phrases and never hard to understand. You will not really feel monotony at any time of your respective time (that's what catalogues are for concerning if you request me).

-- **Michel Halvorson**

Comprehensive guide for ebook fanatics. I have read and I am certain that I am going to plan to read through yet again once again in the future. Your lifestyle period will likely be changed once you fully look over this ebook.

-- **Jakob Davis**