

CONTENTS

Phases of He^3 Monolayer Films Adsorbed on Grafoil	1
Susanne V. Hering and Oscar E. Vilches	
Specific Heat of 2nd Layer He^4 Films	11
Michael Bretz	
Some Observed Properties of ^4He and Neon Submonolayers . . .	19
J. G. Daunt, S. G. Hegde, and E. Lerner	
^4He on Grafoil: The Melting Transition	35
Robert L. Elgin and David L. Goodstein	
Some Aspects of Quantum Theory of Adsorbed Helium Films . . .	53
Frederick J. Milford	
Second Virial Coefficients of Two-Dimensional Systems of He^3 and He^4	65
R. L. Siddon and M. Schick	
The Adsorbed Helium Film: Two Dimensionality Versus Reality	75
Anthony D. Novaco	
Physisorbed Helium Monolayers and Bulk Helium Surfaces	85
Chia-Wei Woo	
Hard Sphere Bosons in a Channel	95
K. S. Liu, M. H. Kalos, and G. V. Chester	
Nuclear Magnetic Resonance in Adsorbed Helium	101
D. F. Brewer, D. J. Creswell, Y. Goto, M. G. Richards, J. Rolt, and A. L. Thomson	
c. w. NMR of He^3 on Graphite	115
R. J. Rollefson	

Pulsed NMR in He ³ Adsorbed on Graphite Below 4.2K	123
D. P. Grimmer and K. Luszczynski	
Pulsed NMR Measurements of Ethyl Alcohol Absorbed in Grafoil	133
D. L. Husa, D. C. Hickernell, and J. E. Piott	
Determination of the Atomic Geometry of Submonolayer Films	145
C. B. Duke	
Structure Sensitive Scattering of Atoms and Molecules from Solid Surfaces	149
H. Saltsburg	
Electronic Characterization of Submonolayer Films	157
E. W. Plummer	