

Jean Claude Vial Karine Bocchialini  
Patrick Boumier (Eds.)

# Space Solar Physics

Theoretical and Observational Issues  
in the Context of the SOHO Mission

Proceedings of a Summer School  
Held in Orsay, France, 1–13 September 1997



Springer

# Contents

<b>Methods and Techniques in Helioseismology</b>	
Teodoro Roca Cortés . . . . .	1
<b>Solar Magnetic Fields: an Introduction</b>	
Sami K. Solanki . . . . .	41
<b>Heating of Chromospheres and Coronae</b>	
Peter Ulmschneider . . . . .	77
<b>Solar Wind</b>	
Eckart Marsch . . . . .	107
<b>Plasma Diagnostics for the Solar Atmosphere</b>	
Helen E. Mason . . . . .	143
<b>Radiative Transfer and Radiation Hydrodynamics</b>	
Mats Carlsson . . . . .	163
<b>Basic Concepts in Solar Magnetohydrodynamics</b>	
Robert W. Walsh . . . . .	187
<b>Heliospheric Plasma Physics: an Introduction</b>	
Marco Velli . . . . .	217
<b>Instrumentation: Spectroscopy</b>	
Philippe Lemaire . . . . .	245
<b>A SOHO User Manual</b>	
Petrus C. Martens . . . . .	263
<b>SOHO: an Example of Project Management</b>	
Fabrizio Felici . . . . .	271
<b>Future ESA Projects</b>	
Roger M. Bonnet . . . . .	281