

BASIC PLASMA PROCESSES ON THE SUN

E. R. PRIEST AND V. KRISHAN (EDS.)

Much of the excitement in modern solar physics has come from the realisation that the Sun is a plasma and that this plasma is interacting with the magnetic field in a wide variety of subtle ways. As well as being of great interest in their own right the observed plasma phenomena on the Sun are of much wider importance, since they reveal to us details of basic phenomena that are expected to occur throughout the universe. It was with this in mind that 173 solar physicists from 17 countries gathered in Bangalore with an air of anticipation.

The talks covered processes occurring in the Solar Interior, the Solar Photosphere and the Solar Chromosphere. In this connection relevant phenomena such as coronal heating, photospheric flux tubes, reconnection processes, solar flares, magnetic fields and radio emission were discussed.

Theoretical considerations were presented on stellar plasmas, which bear an obvious link to plasmas in the Sun.

This collection of papers presents an up-to-the-minute knowledge of plasma processes on our Sun.

KLUWER ACADEMIC PUBLISHERS

DORDRECHT / BOSTON / LONDON

ISBN 0-7923-0880-8