BOOK REVIEW


This volume contains the Proceedings of IAU Colloquium 144 held in Tatranská Lomnica, Slovakia, on September 20–24, 1993, on the occasion of the 50th Anniversary of the Skalnaté Pleso Observatory. Seven sessions focussed on different aspects of coronal physics: Coronal Magnetic Fields; Large-Scale Coronal Structures; Coronal Loops; Flaring Structures; Cool Structures in Coronal Environment; Diagnostic of Coronal Plasma; Waves and Heating; Wind Acceleration. Each session comprises one to three invited reviews, which set the stage for numerous contributions devoted to more specialized subjects. Two panels addressed, respectively, results from eclipse studies and new space missions. The Colloquium started with a general introductory review and ended with a review on Stellar Coronal Structure, meant to put the solar corona in a broader context. A Summary points out crucial results presented at the Colloquium.

The book is a comprehensive report of the state-of-the-art in the most significant solar coronal topics. As such, it may be helpful to solar physicists as a reference document, and to stellar physicists, who find here a collection of reviews providing an updated scenario for the solar corona. The proceedings will also help students to identify subjects worthy of their attention, not only because of their relevance, but because future instrumentation may allow for major breakthroughs.

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