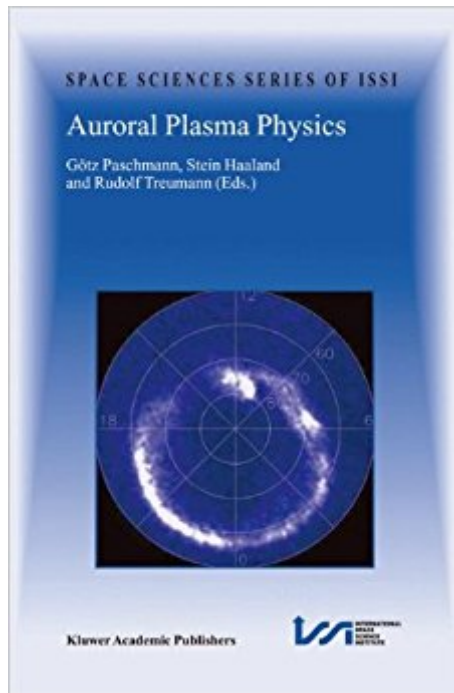




**Ebook Directory**  
the best source of ebook

The book was found

# Auroral Plasma Physics (Space Sciences Series Of ISSI)



## Synopsis

The present 15th volume of the ISSI Space Science Series is devoted to Auroral Plasma Physics. The aurora is arguably the most intriguing phenomenon in space plasma physics. Not only is it the most spectacular manifestation of the Sun-Earth connection chain, but the underlying plasma processes are expected to be ubiquitous in the plasma universe. Recognizing the enormous progress made over the last decade in the understanding of the physics of the auroral acceleration processes, it seemed timely to write a comprehensive and integrated book on the subject. Recent advances concern the clarification of the nature of the acceleration process of the electrons that are responsible for the visible aurora, the recognition of the fundamental role of the large-scale current systems in organizing the auroral morphology, and of the interplay between particles and electromagnetic fields. The project began in March 1999, as a natural follow-up of the project on Magnetospheric Plasma Sources and Losses that resulted in volume 6 of this series, with a planning meeting by a core-group that coordinated the project. The group consisted of J. E. Borovsky, Los Alamos National Laboratory; C. W. Carlson, University of California, Berkeley; G. Haerendel, Max-Planck-Institut für extraterrestrische Physik, Garching; B. Hultqvist, Swedish Institute of Space Physics, H. E. J. Koskinen, Finnish Meteorological Institute, Helsinki; W. Lotko, Kiruna; Dartmouth College, Hanover, New Hampshire; K. A. Lynch, University of New Hampshire, Durham and G. Marklund, Royal Institute of Technology, Stockholm. G. Paschmann, ISSI, Bern, was the project leader."

## Book Information

Series: Space Sciences Series of ISSI (Book 15)

Paperback: 486 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 2003 edition (May 9, 2013)

Language: English

ISBN-10: 9401037868

ISBN-13: 978-9401037860

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,241,539 in Books (See Top 100 in Books) #131 in [Books > Science & Math > Physics > Electromagnetism > Magnetism](#) #274 in [Books > Science & Math > Earth Sciences > Geophysics](#) #351 in [Books > Science & Math > Physics > Electromagnetism >](#)

Electricity

[Download to continue reading...](#)

Auroral Plasma Physics (Space Sciences Series of ISSI) Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Introduction to plasma physics and controlled fusion. Volume 1, Plasma physics Tokamak Plasma: A Complex Physical System, (Plasma Physics) Industrial Plasma Engineering: Applications to Nonthermal Plasma Processing, Vol. 2 Laser Interaction and Related Plasma Phenomena (Laser Interaction & Related Plasma Phenomena) Introduction to Plasma Physics: With Space, Laboratory and Astrophysical Applications The Physics Of Laser Plasma Interactions (Frontiers in Physics) Quantum Entanglement in Electron Optics: Generation, Characterization, and Applications (Springer Series on Atomic, Optical, and Plasma Physics) Numerical Simulation and Optimal Control in Plasma Physics: With Applications to Tokamaks (Modern Applied Mathematics Series) To Mars and Beyond, Fast!: How Plasma Propulsion Will Revolutionize Space Exploration (Springer Praxis Books) Introduction to Plasma Physics Fundamentals of Plasma Physics The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Launch Vehicles Pocket Space Guide: Heritage of the Space Race (Pocket Space Guides) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Physics for Kids : Electricity and Magnetism - Physics 7th Grade | Children's Physics Books Six Ideas that Shaped Physics: Unit N - Laws of Physics are Universal (WCB Physics) Quantum Electrodynamics: Gribov Lectures on Theoretical Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)