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Sommario/riassunto

This book presents a pedagogical, updated and modern view of the Sun from its interior to its exterior as well as the Sun-Earth system. Written by eminent scientists in solar physics, the chapters deal with recent advances in solar physics, seismic Sun, solar magnetic field, waves and oscillations, spectroscopic diagnostics of solar plasmas, partially ionized lower atmosphere, coronal heating, coronal mass ejections, radio Sun, solar wind, and the Sun-Earth system. Each chapter is fully illustrated and has a comprehensive reference list. The book covers all major topics in solar physics, and p