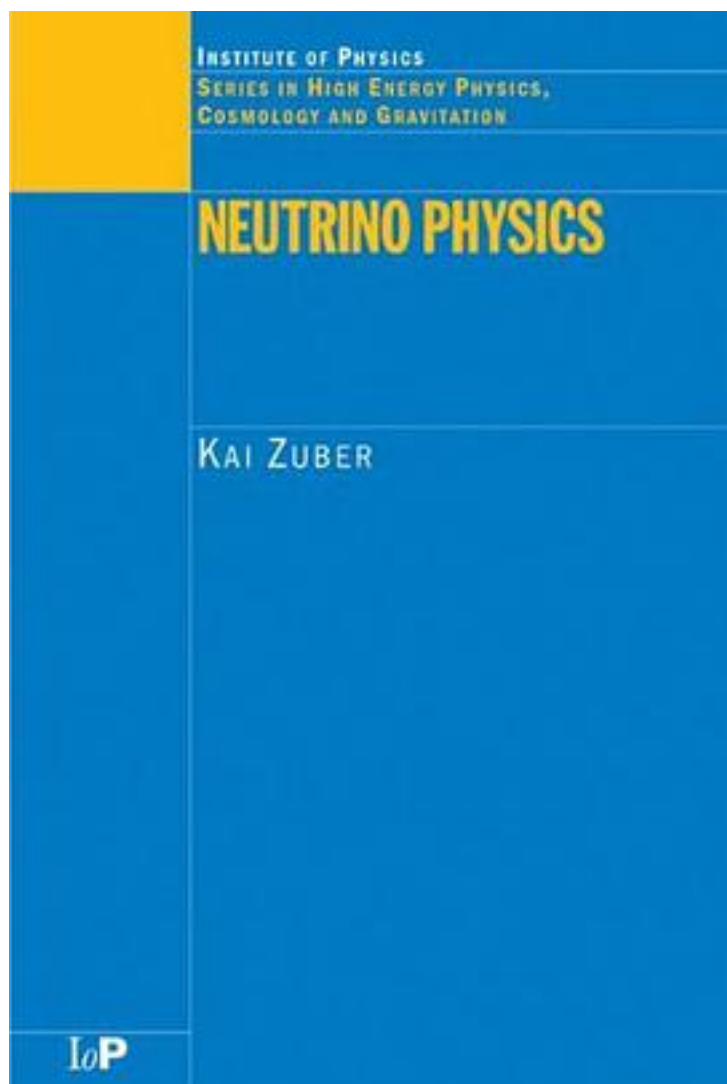


# Neutrino Physics



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Neutrino physics remains one of the most exciting fields of fundamental physics today. The neutrino's position at the intersection of particle physics, astrophysics, and nuclear physics ensures continuing interest in the subject. Major activities at accelerators like Fermilab, KEK and CERN, in addition to underground facilities like Gran Sasso, Kamioka and Sudbury, continue to enhance our understanding of the origins and properties of neutrinos, and their implications for the Standard Model and cosmology. "Neutrino Physics" provides an up to date and comprehensive introduction to the subject as well as an invaluable resource for researchers in physics and astrophysics. Starting with a brief historical overview, the author proceeds to review fundamental neutrino properties, the neutrino mass question, and their place within and beyond the Standard Model. The final chapters examine the role of neutrinos in modern astroparticle physics, cosmology and the dark matter problem. The book concludes with a summary of the current status of neutrino physics and the implications of recent results. Written to be accessible to readers from different backgrounds in nuclear, particle or astrophysics and with a detailed reference list, this title will be essential for any researcher or advanced student who needs to understand modern neutrino physics.

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