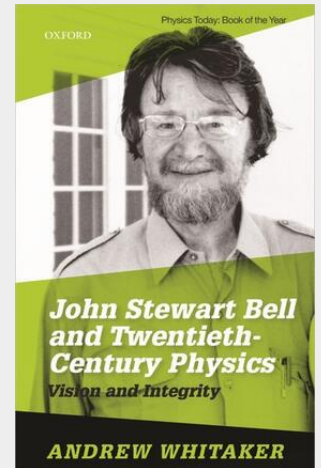


Whitaker

John Stewart Bell and Twentieth Century Physics

Vision and Integrity

This book gives a readable non-mathematical account of the upbringing, education and academic achievement of John Stewart Bell, the celebrated physicist from Belfast, who was born in 1928. Bell has become famous for what he described as his 'hobby', analysing the fundamental aspects of quantum theory, where he clarified a long-standing debate between the two most important figures of twentieth century physics, Albert Einstein and Niels Bohr, and showed that, contrary to belief over the previous thirty years, quantum theory could be supplemented with extra 'hidden variables'. His crucial 'Bell's Theorem' or 'Bell's Inequalities' demonstrated a contradiction between quantum theory and local causality. This relation has been tested with increasing rigour over the next years, and quantum theory has triumphed. His ideas were also important in the development of quantum information theory, which covers quantum computation, quantum cryptography and quantum teleportation. The book covers his earlier work at Harwell, where he worked on the design of accelerators, making extremely important contributions to the physics of strong focussing. He later moved to CERN in Geneva where he carried out highly significant work in the fields of elementary particles and quantum field theory. It also covers some details of Bell's personal life, including his marriage while he was at Harwell to Mary Ross, who also worked in the physics of accelerators, and also describes his career decade by decade, and sums up his importance to twentieth-century physics.



33,00 €

30,84 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780198861263

Medium: Buch

ISBN: 978-0-19-886126-3

Verlag: Oxford University Press, USA

Erscheinungstermin: 03.03.2020

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2020

Produktform: Kartoniert

Gewicht: 592 g

Seiten: 480

Format (B x H): 138 x 216 mm

