

## EDITOR'S PREFACE

This volume contains new publications of

- the book: Heisenberg, Born, Schrödinger and Auger, *On Modern Physics*\*
- Werner Heisenberg, The development of quantum mechanics, Nobel Lecture, December 11, 1933
- Erwin Schrödinger, The fundamental idea of wave mechanics, Nobel Lecture, December 12, 1933
- Max Born, The statistical interpretation of quantum mechanics, Nobel Lecture, December 11, 1954

In this collection three Nobel laureates and a renowned authority on space exploration discuss a wide range of issues – from lessons that can be learned from the ancient Greek philosophers, to the advancements in fundamental physics in the twentieth century, to the dark implications of scientific discoveries, to the methods and limits of scientific knowledge – in a language that is understandable by a wide audience. The collection ends with the Nobel lectures of Heisenberg, Schrödinger and Born.

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\*Heisenberg, Born, Schrödinger and Auger, *On Modern Physics* (Collier Books, New York 1962) is the English translation by M. Goodman and J. W. Binns of the original Italian publication Heisenberg, Born, Schrödinger, Auger, *Discussione sulla fisica moderna* (Paolo Boringhieri Editore, Turin 1960).

The texts were typeset in L<sup>A</sup>T<sub>E</sub>X by Svetla Petkova and noticed typos were corrected. A number of editor's notes were made in the text of the book *On Modern Physics*.

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