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# Libro Fisica Zanichelli

**Arcangelo Mafrici**



## **Libro Fisica Zanichelli:**

*20th Century Physics* Edoardo Amaldi, Giovanni Battimelli, Giovanni Paoloni, 1998 In this important volume major events and personalities of 20th century physics are portrayed through recollections and historiographical works of one of the most prominent figures of European science A former student of Enrico Fermi and a leading personality of physical research and science policy in postwar Italy Edoardo Amaldi devoted part of his career to documenting both as witness and as historian some significant moments of 20th century science The focus of the book is on the European scene ranging from nuclear research in Rome in the 1930s to particle physics at CERN and includes biographies of physicists such as Ettore Majorana Bruno Touschek and Fritz Houtermans Edoardo Amaldi Carpaneto 1908 Roma 1989 was one of the leading figures in twentieth century Italian science He was conferred his degree in physics at Rome University in 1929 and played an active role as a member of the team of young physicists known as the boys of via Panisperna in the fundamental research on artificial induced radioactivity and the properties of neutrons which won the group's leader Enrico Fermi the Nobel Prize for physics in 1938 Following Fermi's departure for the United States in 1938 and the disruption of the original group Amaldi took upon himself the task of reorganising the research in physics in the difficult situation of post war Italy His own research went from nuclear physics to cosmic ray physics elementary particles and in later years gravitational waves Active research was for him always coupled to a direct involvement as a statesman of science and an organiser he was the leading figure in the establishment of INFN National Institute for Nuclear Physics and has played a major role as spokesman of the Italian scientific community in the creation of CERN the large European laboratory for high energy physics He also actively supported the formation of a similar trans national joint venture in space science which gave birth to the European Space Agency In these and several other scientific organisations he was often entrusted with directive responsibilities In his later years he developed a keen interest in the history of his discipline This gave rise to a rich production of historiographic material of which a significant sample is collected in this volume

**Enrico Fermi a Firenze** Roberto Casalbuoni, Daniele Dominici, Giuseppe Pelosi, 2019-12-15 Enrico Fermi Premio Nobel per la Fisica nel 1938 ha insegnato alla Regia Università degli Studi di Firenze La permanenza di Fermi a Firenze fu breve solo due anni accademici 1924-25 e 1925-26 in questi anni tenne i corsi di Fisica Matematica e di Meccanica Razionale Il presente volume un contributo alla ricostruzione di questo periodo non molto noto della vita di Fermi ma segnato scientificamente dalla pubblicazione della statistica che prende il suo nome e che porterà Fermi alla ribalta internazionale grazie alle applicazioni della statistica nei settori più disparati della fisica Questo lavoro alla base tra l'altro della fisica dei semiconduttori e quindi dell'elettronica moderna Vengono anche riprodotte nel testo le Lezioni di Meccanica Razionale tenute da Enrico Fermi nel periodo predetto agli studenti di Scienze e del biennio propedeutico agli studi di Ingegneria I temi affrontati da Enrico Fermi nelle sue lezioni includono la cinematica e la dinamica del punto la cinematica e la statica dei sistemi rigidi inclusa la statica di sistemi più in generale Infine le lezioni contengono le

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