

1. Record Nr.	UNINA990003620960403321
Autore	Meinecke, Friedrich <1862-1954>
Titolo	Senso storico e significato della storia / Friedrich Meinecke ; a cura Maria Teresa Mandalari ; con appendice di Benedetto Croce
Pubbl/distr/stampa	Napoli, : Edizioni scientifiche italiane, 1948
Descrizione fisica	116 p. ; 24 cm
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2. Record Nr.	UNINA9911009382303321
Autore	Popa Alexandru
Titolo	Ultra-Relativistic Effects of Laser Beam and Electron Interactions : Basic Equations, Exact Solutions and Modelling
Pubbl/distr/stampa	Bristol : , : Institute of Physics Publishing, , 2022 ©2021
ISBN	9780750345804 0750345802
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Descrizione fisica	1 online resource (183 pages)
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Soggetti	Laser beams Electrons
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Nota di contenuto	PRELIMS.pdf -- Preface -- Author biography -- Alexandru Popa -- Symbols -- CH001.pdf -- Chapter 1 Introduction -- References -- CH002.pdf -- Chapter 2 Exact solutions of the basic equations -- 2.1 Initial hypotheses -- 2.2 Solution of the classical equation of electron motion -- 2.2.1 Equation of the electron motion -- 2.2.2 Calculation of velocities and accelerations -- 2.2.3 Calculation of the electron coordinates -- 2.3 Solution of the Klein–Gordon equation -- 2.3.1 Relation necessary for our analysis -- 2.3.2 Solving the Klein–Gordon equation -- 2.4 Solution of the Dirac equation -- 2.4.1 Dirac equation -- 2.4.2 Solution of the system equivalent to the Dirac equation -- 2.4.3 Verification of the solution of the Dirac equation -- 2.4.4 Determination of the conditions of validity of the classical models -- References -- CH003.pdf -- Chapter 3 Modelling ultra-relativistic interactions in electron plasmas -- 3.1 Initial hypotheses -- 3.2 Phase effect -- 3.2.1 Bijective dependence between phase and time t -- 3.2.2 The decreasing of when IL increases
Sommario/riassunto	Synthesising previous research, this book presents a unitary treatment of the main effects that occur in the ultra-relativistic interactions between laser beams and electrons. Aimed at scientists, graduate

students and professionals working in high-power laser facilities and labs, as well as those studying relativistic optics, the book presents a comprehensive survey of the field.
