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Nota di contenuto	Intro -- LAGRANGIANQUANTUMFIELDTHEORYINMOMENTUMPICTURE.FREEFIELDS -- LAGRANGIANQUANTUMFIELDTHEORYINMOMENTUMPICTURE.FREEFIELDS -- Contents -- ListofConventions -- Preface -- Acknowledgments -- ChapterILagrangianFormalismandtheMomentumPicture -- 1. Introduction -- 2.LagrangianFormalism -- 3. DerivativesRelativetoOperatorsandLagrangianFormalism -- 4. HeisenbergRelations -- 5.TheMomentumPictureofMotion -- 6. GeneralAspectsofLagrangianFormalism inMomentumPicture -- 7. OntheMomentumRepresentationandParticleInterpretation -- 8. TheMomentumPictureas4-DimensionalAnalogueoftheSchrödingerOne -- 9.Conclusion -- ChapterIIFreeScalarFields -- 1.Introduction -- II.A. NeutralScalarFields -- 2. DescriptionofFreeNeutralScalarFieldinMomentumPicture -- 3. AnalysisoftheKlein-GordonEquation -- 4. FrequencyDecompositionsandTheirPhysicalMeaning -- 5.TheKlein-GordonEquationsinTermsofCreationandAnnihilationOperators -- 6. CommutationRelations -- 7.VacuumandNormalOrdering -- 8. StateVectorsandTransitionsbetweenThem -- II.B.ArbitraryScalarFields -- 9.DescriptionofFreeScalarField -- 10.AnalysisoftheFieldEquations -- 11.FrequencyDecompositionsandTheirPhysicalMeaning -- 12. TheFieldEquationsinTermsofCreationandAnnihilationOperators -- 13.

The Charge and Orbital Angular Momentum Operators -- 14.
 Commutation Relations -- 15. Vacuum and Normal Ordering -- 16.
 State Vectors -- 17. Conclusion -- Chapter III Free Spinor Fields -- 1.
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 3. Analysis of the Dirac Equation(s) -- 4. Frequency Decompositions -- 5.
 The Dynamical Variables in Terms of Creation and Annihilation Operators --
 6. The Field Equations in Terms of Creation and Annihilation Operators -- 7.
 Anticommutation Relations -- 8. Vacuum and Normal Ordering -- 9.
 State Vectors -- 10. On the Choice of Lagrangian and Its Consequences --
 11. Conclusion -- Chapter IV Free Vector Fields -- 1. Introduction.
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 6. The Field Equations in Terms of Creation and Annihilation Operators -- 7.
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 Lagrange Equations and Dynamical Variables -- 3.
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 -- 7. State Vectors, Vacuum and Mean Values -- 8.
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 Commutation Relations Connected with the Charge and Angular Momentum
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Sommario/riassunto

The monograph is devoted to in-depth analysis of the Lagrangian approach in momentum picture of motion to quantum free scalar, spinor and vector fields. The main purpose is to suggest a new approach and analysis of known problems which results in reestablishment of known facts and new results.

2. Record Nr.	UNINA9910956990303321
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Nota di contenuto	Book Cover; Title; Contents; Preface; Acknowledgements; Psychiatric nursing: illusion and reality; The whole truth?; Carl's world; Flowers in their mouths; Nursing and postmodernity: a logical alliance?; The socialisation of ideas in psychiatric nursing; Ordinary miseries: extraordinary remedies; Rational emotive therapy; 1999: a nursing odyssey?; The search for conclusions; References; Index
Sommario/riassunto	Challenging Practice in Mental Health Nursing questions theories and practices which have become central in mental health care today. The book is inspired by the growing concerns of both the public and professionals about accepted methods of practice and their effects on patients and clients. Liam Clarke argues that while many different theories and models exist their validity and effectiveness in caring for patients has yet to be proved. Chapters examine: * holism * Rogerian and other counselling theories * forensic psychiatry * rational emotive therapy. This