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Nota di contenuto	CONTENTS; 1. Introduction; 2. Nonrelativistic quantum mechanics; 3. Relativity and symmetries; 4. Quantum field theory; 5. Object of experiences: quantum state-observables-statistics; 6. The event structure and the spatio-temporal structure: local fields; 7. Explicit relations and the causal order: interacting fields; 8. Epilogue; APPENDIX A. Measure and probability: quantity, quality, modality; APPENDIX B. Fiber bundles and interaction dynamics; APPENDIX C. The cosmic and the microscopic: an application; NOTES; BIBLIOGRAPHY; INDEX
Sommario/riassunto	How can we know the microscopic world without a measurement theory? What are the general conditions of the world that make possible such knowledge? What are the presuppositions of physical theories? This book includes an analysis of quantum field theory, and quantum mechanics and interacting systems are addressed in a unified framework.