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9.6 Entangling collisions in a Bose-Einstein condensate10 Conclusion; Appendix; A.1 Characteristic functions; A.2 The Wigner distribution; A. 3 The Husimi-Q distribution; A.4 Phase-space representations of relaxation; Bibliography; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; V; W; Y

Sommario/riassunto

The quantum world obeys logic at odds with our common sense intuition. This weirdness is directly displayed in recent experiments juggling with isolated atoms and photons. They are reviewed in this book, combining theoretical insight and experimental description, and providing useful illustrations for learning and teaching of quantum mechanics. - ;The counter-intuitive aspects of quantum physics have been for long illustrated by thought experiments, from Einstein's photon box to Schr--ouml--;dinger's cat. These experiments have now become real, with single particles - electrons, atoms or photo