1. Record Nr. UNINA9910700238403321

Titolo	Examples of ecosystem-based management in national marine sanctuaries [[electronic resource]] : moving from theory to practice / / edited by James Lindholm, Robert Pavia
Pubbl/distr/stampa	Silver Spring, Md. : , : U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, , [2010]
Descrizione fisica	1 online resource (39 pages) : color illustrations, color maps
Collana	Marine sanctuaries conservation series ; ; ONMS-10-02
Altri autori (Persone)	LindholmJames <1968-> PaviaRobert
Soggetti	Marine ecosystem management - United States Marine parks and reserves - United States - Management Marine resources conservation - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on May 16, 2011). "May 2010."
Nota di bibliografia	Includes bibliographical references (pages 30-34).

2. Record Nr. UNINA9910300558603321

Autore	Scammell Harley
Titolo	Interplay of Quantum and Statistical Fluctuations in Critical Quantum Matter / / by Harley Scammell
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-97532-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (175 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.143
Soggetti	Phase transformations (Statistical physics) Condensed matter Quantum theory Superconductivity Superconductors Quantum Gases and Condensates Quantum Physics Strongly Correlated Systems, Superconductivity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Asymptotic Freedom in Quantum Magnets -- Unifying Static and Dynamic Properties in 3D Quantum Antiferromagnets -- Nonequilibrium Quantum Mechanics: A “Hot Quantum Soup” of Paramagnons -- Dimensional Reduction in Quantum Critical Systems -- Continuity of the Order Parameter in Magnetic Condensates -- Multiple Universalities in Order-Disorder Magnetic Phase Transitions -- Prediction of Ultra-Narrow Higgs Resonance in Magnon Bose-Condensates -- Violation of the Spin-Statistics Theorem and the Bose-Einstein Condensation of Particles with Half-Integer Spin.
Sommario/riassunto	This book explores critical phenomena in highly correlated quantum matter. Specifically, quantum antiferromagnets, magnon Bose condensates, and systems exhibiting deconfined quantum criticality are considered. The book’s main achievement is the incorporation of both quantum and statistical fluctuations into a quantum field theoretic

treatment of critical phenomena. This yields significant new insights into an abundance of problems, positions them in a much more general context, and offers an unprecedented power to analyze experimental and numerical data and predict new effects. Further, a major result and overarching theme is the exploration of the scale-dependent coupling constant – an effect known in quantum chromodynamics as “asymptotic freedom.” The book provides the first analysis to reveal asymptotic freedom in the quantum magnetism context, and discusses many other manifestations. Another significant result concerns the development of a consistent theoretical framework that resolves a long-standing inconsistency in the theory of Bose condensation. Using the approach developed here, two new universality classes are subsequently identified. A final major result addresses the exotic scenario of deconfined quantum criticality. Within this framework, the book predicts the Bose condensation of particles with half-integer spin – the first- ever made in this regard. In closing, a smoking gun criterion to test for this exotic condensate is established. .