

1. Record Nr.	UNINA9910165088403321
Autore	Lagerloef Selma
Titolo	The wonderful adventures of Nils / / by Selma Lagerloef
Pubbl/distr/stampa	[Place of publication not identified] : , : Dancing Unicorn Books, , 2017 ©2017
ISBN	1-5154-1487-6
Descrizione fisica	1 online resource (320 pages)
Disciplina	813.0876608
Soggetti	Magic Conduct of life Geese
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910799492803321
Autore	Watanabe Shinji
Titolo	Quantum Critical Phenomena of Valence Transition : Heavy Fermion Metals and Related Systems / / by Shinji Watanabe, Kazumasa Miyake
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819935185 9819935180
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (220 pages)
Collana	Springer Tracts in Modern Physics, , 1615-0430 ; ; 289
Altri autori (Persone)	MiyakeKazumasa
Disciplina	530.41
Soggetti	Condensed matter Superconductivity Superconductors Magnetism Strongly Correlated Systems Phase Transition and Critical Phenomena Phase Transitions and Multiphase Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Prologue -- Early History of Critical Valence Fluctuations -- Fundamentals of Heavy Fermion State -- Anomalous Phenomena due to Critical Valence Transition -- Self-Consistent Renormalization Theory -- Quantum Criticality of Valence Transition -Experiments and Theory -- Interplay between magnetic QCP and valence QCP -- Instead of Epilogue – Ubiquity of Critical Valence Fluctuations.
Sommario/riassunto	This book comprehensively presents an unconventional quantum criticality caused by valence fluctuations, which offers theoretical understanding of unconventional Fermi-liquid properties in cerium- and ytterbium-based heavy fermion metals including CeCu <sub>2</sub> (Si,Ge)2 and CeRhIn5 under pressure, and quasicrystal -YbAlB4 and Yb <sub>15</sub> Al <sub>34</sub> Au <sub>51</sub> . The book begins with an introduction to fundamental concepts for heavy fermion systems, valence fluctuation, and quantum phase transition, including self-consistent renormalization group theory. A subsequent chapter is devoted to a comprehensive description of the theory of the unconventional quantum criticality

based on a valence transition, featuring explicit temperature dependence of various physical quantities, which allows for comparisons to relevant experiments. Lastly, it discusses how ubiquitous the valence fluctuation is, presenting candidate materials not only in heavy fermions, but also in strongly correlated electrons represented by high-T<sub>c</sub> superconductor cuprates. Introductory chapters provide useful materials for learning fundamentals of heavy fermion systems and their theory. Further, experimental topics relevant to valence fluctuations are valuable resources for those who are new to the field to easily catch up with experimental background and facts.

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