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Nota di contenuto	Contents; Preface; 1. Color Superconductivity inDense but not Asymptotically Dense Quark Matter; 1.1. Introduction; 1.2. Review of colorsuperconductivity; 1.3. Thecrystallography of three-flavor quark matter; 1.4. Coda; Bibliography2. Larkin-Ovchinnikov-Fulde-Ferrell Phases in QCD2.1. Introduction; 2.2. High density effective theory; 2.3. Two-species fermions with unpaired Fermi surfaces; 2.4. LOFF phase in QCD with two flavors: one plane wave; 2.5. LOFF phase of QCD with two flavors and more plane waves2.6. LOFF phase of QCD with three flavors in the GL approximationBibliography; 3. Phase Diagram of Neutral Quark Matter atModerate Densities; 3.1.		

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	Introduction in absence of neutrino tra 3.4. Phase diagram in pre 3.5. Conclusions Spontaneous Nambu-Go Mismatch Introduction Lasinio model instabilities driven by mis	esence of neutrino trap Bibliography Idstone Current Gener ; 4.2. The gauged St	; 4. ration Driven by ; 4.1.
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Sommario/riassunto	Cooper pairing of fermion become very important in past. This book brings tog fields involving Cooper pa including the study of nov gases, nuclear systems a application to neutron sta be of interest to physicist condensed matter, nuclear	n many different areas gether, for the first time airing, at the level of Bo vel states of matter suc at the extreme, and qua irs. Cross-disciplinary i s in many different spe	of physics in the recent e, experts from various CS theory and beyond, ch as ultracold atomic ark matter with in nature, the book will