1. Record Nr. UNINA9910136607403321

Autore	Mallik Samirnath
Titolo	Hadrons at finite temperature / / Samirnath Mallik, Saha Institute of Nuclear Physics, Sourav Sarkar, Variable Energy Cyclotron Center, Kolkata [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2016
ISBN	1-108-10587-4 1-108-10996-9 1-108-11064-9 1-316-53558-4 1-108-11132-7 1-108-11472-5 1-108-11200-5
Descrizione fisica	1 online resource (xiv, 250 pages) : digital, PDF file(s)
Collana	Cambridge monographs on mathematical physics
Disciplina	539.7/216
Soggetti	Hadrons Thermodynamics Field theory (Physics) Broken symmetry (Physics) Heavy ion collisions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 01 Nov 2016).
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Free fields in vacuum -- Spontaneous symmetry breaking -- Chiral perturbation theory -- Thermal propagators -- Thermal Perturbation Theory -- Two-loop results -- Heavy ion collisions -- Non-equilibrium processes.
Sommario/riassunto	High energy laboratories are performing experiments in heavy ion collisions to explore the structure of matter at high temperature and density. This elementary book explains the basic ideas involved in the theoretical analysis of these experimental data. It first develops two topics needed for this purpose, namely hadron interactions and thermal field theory. Chiral perturbation theory is developed to describe hadron

	interactions and thermal field theory is formulated in the real-time method. In particular, spectral form of thermal propagators is derived for fields of arbitrary spin and used to calculate loop integrals. These developments are then applied to find quark condensate and hadron parameters in medium, including dilepton production. Finally, the non-equilibrium method of statistical field theory to calculate transport coefficients is reviewed. With technical details explained in the text and appendices, this book should be accessible to researchers as well as graduate students interested in thermal field theory.

2.

Record Nr.	UNINA9910697712203321
Autore	Tollett Roland W
Titolo	Effects of hardened low-water crossings on stream habitat, water quality, and periphyton in four streams at the Fort Polk Military Reservation, Vernon Parish, Louisiana, October 1998 through November 1999 [[electronic resource] /] / by Roland W. Tollett, Barbara W. Bryan, and C. Frederick Bryan ; prepared in cooperation with the U.S. Army Joint Readiness Training Center and Fort Polk
Pubbl/distr/stampa	Baton Rouge, La. : , : U.S. Dept. of the Interior, U.S. Geological Survey, , 2002
Descrizione fisica	vi, 70 pages : DJVU, image file
Collana	Water-resources investigations report ; ; 02-4291
Altri autori (Persone)	BryanBarbara W BryanC. Fred (Charles Fred)
Soggetti	Water quality - Louisiana - Fort Polk Water - Pollution - Louisiana - Fort Polk Periphyton - Louisiana - Fort Polk
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed Nov. 20, 2008).
Nota di bibliografia	Includes bibliographical references (pages 59-62).