

1. Record Nr.	UNINA9910964304003321
Titolo	An assessment of the National Institute of Standards and Technology Center for Neutron Research : fiscal year 2008 // Panel on Neutron Research, Laboratory of Assessments Board, Division on Engineering and Physical Sciences, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2008
ISBN	0-309-17873-8 9786611972868 1-281-97286-X 0-309-12726-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (25 p.)
Disciplina	539.7213
Soggetti	Neutrons Nuclear facilities - United States Nuclear physics - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Acknowledgment of Reviewers""; ""Contents""; ""Summary""; ""The Charge to the Panel and the Assessment Process""; ""General Assessment of the NIST Center for Neutron Research""; ""Science and Technology at the Center""; ""Facilities and Human Resources""; ""The Center as a User Facility""; ""Conclusions""
Sommario/riassunto	The National Institute of Standards and Technology [NIST] Center for Neutron Research (NCNR) is a national user facility whose mission is to ensure the availability of neutron measurement capabilities in order to meet the needs of U.S. researchers from industry, academia, and government agencies. A panel of experts from the National Research Council evaluated the NCNR by the following criteria: (1) the technical merit of the current laboratory programs relative to the current state of the art worldwide; (2) the adequacy of the laboratory facilities, equipment, and human resources, as they affect the quality of the laboratory technical programs; and (3) the degree to which the

laboratory programs in measurement science and standards achieve their stated objectives and desired impact. This book finds that NCNR is an extremely reliable and comprehensive neutron scattering facility. Even as the other neutron source in the nation—the Spallation Neutron Source (SNS)—becomes increasingly operational and the Oak Ridge High Flux Isotope Reactor (HFIR) comes back online, the NCNR will continue to be a vital resource for meeting the broad spectrum of user needs for and scientific objectives related to neutron scattering.
