

1. Record Nr.	UNISA996418437503316
Autore	Fabjan Christian W
Titolo	Particle physics reference library : volume 2: detectors for particles and radiation / / edited by Christian W. Fabjan, Herwig Schopper
Pubbl/distr/stampa	Springer Nature, 2020 Cham, Switzerland : , : Springer Nature Switzerland AG. : , : imprint : SpringerOne, , [2020] ©2020
ISBN	3-030-35318-4
Descrizione fisica	1 online resource (IX, 1078 pages) : illustrations; digital, PDF file(s)
Disciplina	539.73
Soggetti	Particle acceleration Physical measurements Measurement Elementary particles (Physics) Quantum field theory Nuclear physics Heavy ions Nuclear energy Particle Acceleration and Detection, Beam Physics Measurement Science and Instrumentation Elementary Particles, Quantum Field Theory Nuclear Physics, Heavy Ions, Hadrons Nuclear Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. The Interaction of Radiation with Matter -- Chapter 3. Scintillation Detectors for Charged Particles and Photons -- Chapter 4. Gaseous Detectors -- Chapter 5. Solid State Detectors -- Chapter 6. Calorimetry -- Chapter 7. Particle Identification: Time-of-Flight, Cherenkov and Transition Radiation Detectors -- Chapter 8. Neutrino Detectors -- Chapter 9. Nuclear Emulsions -- Chapter 10. Signal Processing for Particle Detectors --

Chapter 11. Detector Simulation -- Chapter 12. Triggering and High-Level Data Selection -- Chapter 13. Pattern Recognition and Reconstruction -- Chapter 14. Distributed Computing -- Chapter 15. Statistical Issues in Particle Physics -- Chapter 16. Integration of Detectors Into a Large Experiment: Examples From ATLAS and CMS -- Chapter 17. Neutrino Detectors under Water and Ice -- Chapter 18. Space Borne Experiments -- Chapter 19. Cryogenic Detectors -- Chapter 20. Detectors in Medicine and Biology -- Chapter 21. Solid State Detectors for High Radiation Environments -- Chapter 22. Future Developments of Detectors.

Sommario/riassunto

This second open access volume of the handbook series deals with detectors, large experimental facilities and data handling, both for accelerator and non-accelerator based experiments. It also covers applications in medicine and life sciences. A joint CERN-Springer initiative, the "Particle Physics Reference Library" provides revised and updated contributions based on previously published material in the well-known Landolt-Boernstein series on particle physics, accelerators and detectors (volumes 21A,B1,B2,C), which took stock of the field approximately one decade ago. Central to this new initiative is publication under full open access.

2. Record Nr.	UNINA9910495771703321
Autore	Lebel Thierry
Titolo	Climate change : What challenges for the South? // Serge Janicot, Catherine Aubertin, Martial Bernoux, Edmond Dounias, Jean-François Guégan, Thierry Lebel, Hubert Mazurek, Benjamin Sultan
Pubbl/distr/stampa	Marseille, : IRD Éditions, 2020
ISBN	2-7099-2173-1
Descrizione fisica	1 online resource (272 p.)
Collana	Focus
Altri autori (Persone)	MoattiJean-Paul SokonaYouba JanicotSerge AubertinCatherine BernouxMartial DouniasEdmond GuéganJean-François LebelThierry MazurekHubert SultanBenjamin
Soggetti	Economics changement climatique hydrologie inondations politiques environnementales résilience climatologie Pays du Sud vulnérabilités mousson glaciers océanographie climate change resilience climatology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

The mobilisation centred on the 2015 Paris Climate Conference (COP 21) is an opportunity to highlight the vulnerability of environments and populations in the South in the face of climate warming. Some tropical regions are already suffering from its effects, with heat waves in the Sahel, disturbances to monsoon systems, the melting of the Andean glaciers, threats to biodiversity, a rise in sea level and other features. Research conducted by IRD and its partners provides key knowledge for better understanding of the complexity of these phenomena. This book is a synthesis in three parts: observing and understanding climate change, analysing its main impacts on environments and setting societies and national public policies at the heart of the climate challenge. Focused on the capacity for resilience of populations and ecosystems in the face of trends in the climate, the book explores solutions that reconcile mitigation and adaptation in response to climate change, conservation of the environment and a reduction of inequalities. The work is both well documented and explanatory, reviewing operations and the results of research that is firmly involved and interdisciplinary, closely associating partners in the North and the South.

3. Record Nr.	UNINA9910407558003321
Titolo	Africa bibliography
Pubbl/distr/stampa	Manchester, England, : Manchester University Press, 1985-©2021 Edinburgh : , : Edinburgh University Press for the International African Institute
ISSN	1757-1642
Soggetti	BIBLIOGRAPHIES AFRICA Bibliographies. Periodicals. Africa Bibliography Periodicals Afrique Bibliographie Périodiques Africa
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed