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Collana	Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applica ; ; v.1		
Altri autori (Persone)	BaroneM (Maura)		
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Nota di contenuto	CONTENTS ; Preface ; Space and Astroparticle Physics Experiments ; The Alpha Magnetic Spectrometer, a Particle Physics Experiment in Space; HYPER: Atom Interferometry in Space ; The GLAST Gamma ray Large Area Telescope ; The Anticoincidence Shield of the PAMELA Satellite Experiment EUSO: Extreme Universe Space Observatory A Complete Simulation of Cosmic Rays Access to a Space Station ; The Time of Flight System of the AMS-02 Space Experiment ; The Transition Radiation Detector of the AMS-2 Experiment ; The Transition Radiation Detector of the AMS-2 Experiment ; Test of a Novel Detector Technique: the ICARUS T600 Module MONOLITH: a Massive Magnetized Detector for Atmospheric Neutrinos Development and Performances of the MAGIC Telescope ; New Developments of Photodetectors for the Lake Baikal Neutrino Experiment ; A Review of Silicon Detectors (Convener's Report); Design of an Upgraded DØ Silicon Microstrip Tracker for Fermilab Run2B; D0 Silicon Microstrip Tracker for Run IIA; The CDFII		

1.

	Silicon Tracking System Silicon Vertex Tracker Operation of the CDF Silicon Detector	; The CDF Online ; Commissioning and
	The Assembly of the AMS Silicon Tracker, Version 1 and 2The AMS Infrared Tracker Alignment System - from STS91 to ISS ; Performance of the BaBar Silicon Vertex Tracker ; Charged Particle Tracking with the HERA-B Detector	
	; The ZEUS Micro Vertex Detector Upgrade of the CDF Silicon Detectors The BTeV Pixel Detector System	; The Run IIB
Sommario/riassunto	This book features up-to-date technology applications to radiation detection. It synthesises several techniques of and approaches to radiation detection, covering a wide range of applications and addressing a large audience of experts and students. Many of the talks are in fact reviews of particular topics often not covered in standard books and other conferences, for instance, the medical physics section. To present these medical physics talks is crucial, since a large fraction of the community in medical physics are from the particle physics community. The same feature is true for astropar	