1. Record Nr. UNINA9910961784303321

Titolo	Energy budget in the high energy universe : proceedings of the International Workshop, Kashiwa, Japan, 22-24 February 2006 / / editors, Katsuhiko Sato, Junji Hisano
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2007
ISBN	9786611121044 9781281121042 1281121045 9789812708342 9812708340
Edizione	[1st ed.]
Descrizione fisica	1 online resource (413 p.)
Altri autori (Persone)	SatoK HisanoJunji
Disciplina	539.72
Soggetti	Cosmic rays Gamma ray astronomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The International Workshop on Energy Budget in the High Energy Universe was held February 22-24 at Institute of Cosmic Ray Research, Kashiwa campus of the University of Tokyo. This workshop in fourth in the series of international workshops of the 21th century COE program 'Quantum Extreme Systems and their Symmetries' of the University of Tokyo."--Preface.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface; CONTENTS; Highest Energy Universe; Around the Knee; GeV Sky; TeV Sky; MeV and keV Sky; Special Lecture; Contributions; Scientific Program
Sommario/riassunto	The existence of materials with very high specific energies greatly exceeding the local virial temperature is best represented by cosmic rays, whose origin has long been a mystery. Recent astrophysical observations in X-ray, gamma-ray, neutrino, and high energy cosmic ray experiments, in conjunction with theoretical studies, have revealed various new aspects of the high energy universe, including promising candidates for cosmic ray acceleration sites. As each approach has its own advantages and limitations, it is expected that joint efforts by

experimentalists and theorists in various related