1. Record Nr. UNISA996234845703316

Autore	Bolinger Raphael
Titolo	Rekonstruktion und Reduktion physikalischer Theorien : Der Ansatz von Erhard Scheibe an Beispielen aus der Astroteilchenphysik / / Raphael Bolinger
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter, , [2015] ©2015
ISBN	3-11-042974-8 3-11-042963-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (226 p.)
Collana	Epistemische Studien / Epistemic Studies ; ; 32
Disciplina	410
Soggetti	Reconstruction (Linguistics) - Methodology Particles (Nuclear physics) - Data processing
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Vorwort -- Inhalt -- Abbildungsverzeichnis -- 1. Einleitung -- 2. Physikalische Theorien -- 3. Konzeptionen physikalischer Theorienreduktionen -- 4. Reduktion und Vereinheitlichung in der Astroteilchenphysik -- 5. Zusammenfassung und Fazit -- Literatur -- Stichwortverzeichnis
Sommario/riassunto	Astroparticle physics employs a range of theories to model the sources of cosmic radiation – but until now, it has not fully captured the relevant connections between these theories. Using Scheibe’s method for the reconstruction and reduction of physical theories, Raphael Bolinger demonstrates the uses and limitations of formal strategies for standardization. This illustrates Scheibe’s relevance to current problems in the philosophy of science. Die Arbeit wendet den Ansatz des Wissenschaftsphilosophen Erhard Scheibe zur Rekonstruktion und Reduktion physikalischer Theorien auf die Astroteilchenphysik an, eine relativ junge Teildisziplin der Physik, in der man von der kosmischen Strahlung auf deren Quellen zurück schließt. Zur Modellierung dieser Quellen und der von ihnen ausgesandten Strahlung zieht man Gesetze aus einer Vielzahl von Theorien heran, für die es großteils keine einheitliche theoretische

	Grundlage gibt, und verknüpft sie miteinander. Der Astroteilchenphysik kommt damit eine besondere Rolle für die Beantwortung der philosophisch relevanten Fragen zur Einheit der Physik zu, mit denen sich Scheibes Werk befasst.Im Rahmen der Arbeit wird aufgezeigt, wie Scheibes formaler Ansatz dabei hilft, die intertheoretischen Beziehungen, die der Verbindung der Gesetze in den Modellen der Astroteilchenphysik zugrunde liegen, besser zu verstehen. Auch zeigt sie allgemeine Grenzen für rein formale Vereinheitlichungsstrategien auf. Indem sie Scheibes Ansatz in die philosophische Diskussion einbettet, legt sie den Grundstein dafür, sein Werk auf aktuelle Fragestellungen der Wissenschaftstheorie zu beziehen.

2.

Record Nr.	UNINA9910437995203321
Autore	Marin-Garcia Jose <1936->
Titolo	Mitochondria and their role in cardiovascular disease / / by Jose Marin-Garcia ; with contributions by Alexander Akhmedov and Vitalyi Rybin, Gordon W. Moe
Pubbl/distr/stampa	New York, : Springer, c2013
ISBN	1-283-86499-1 1-4614-4599-X
Descrizione fisica	1 online resource (494 p.)
Altri autori (Persone)	AkhmedovAlexander RybinVitalyi MoeGordon W
Disciplina	616.99/4042 616.994042
Soggetti	Cardiovascular system - Diseases Mitochondrial pathology
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 and index.
Nota di contenuto	Introduction to mitochondria in the heart -- Methods to study mitochondrial structure and function- Mitochondrial structure, composition and dynamics -- Mitochondrial biogenesis -- Mechanisms of bioenergy production in mitochondria -- Bioenergetics interplay

between cardiac mitochondria and other subcellular compartments -- Endothelial mitochondria: Contribution to cardiovascular function and disease -- Heart mitochondria: Receivers and transmitters of signals -- Stem cells and mitochondria -- Cell death pathways and mitochondria -- Mitochondria in pediatric cardiovascular diseases -- Mitochondrial in the aging heart -- The role of mitochondria in atherosclerosis -- The role of mitochondria in hypertension -- Role of mitochondria in ischemia and cardioprotection -- Mitochondrial dynamics in health and disease -- Mitochondria play an essential role in heart failure -- Mitochondria and cardiac dysrhythmias -- Diabetes and cardiac mitochondria -- The role of mitochondria in metabolic syndrome and insulin resistance.-Thyroid hormone and myocardial mitochondria -- Targeting the mitochondria in cardiovascular diseases -- Current progress and future perspectives: Towards mitochondrial medicine.

Sommario/riassunto

Over the past two decades, due to dramatic advances in molecular and cell biology, biochemistry, and genetics, our view on mitochondria as a relatively static cellular powerhouse has changed radically. We now know that these organelles play a critical role in the normal and in the damaged heart. Written by Dr. José Marín-García, Director of the Molecular Cardiology and Neuromuscular Institute, Mitochondria and Their Role in Cardiovascular Disease brings readers up- to-date on the many significant advances in the field of mitochondrial cardiovascular medicine. The book begins with a general introduction to mitochondria, followed by laboratory methods to study the structure and function of the organelle, regulation of replication and biogenesis, and the mechanisms and functional consequences of mitophagia and mitochondrial dynamics. Subsequent chapters deal with mitochondrial oxidative stress and the role that the organelle plays in cell signaling and cell death. Discussions will be undertaken on the biochemistry of mitochondrial cell signaling, including the nature of the proteins engaged in these processes, many of them only recently discovered. Later chapters examine the role of mitochondria and mitochondrial abnormalities in cardiovascular diseases, including their diagnosis, therapeutic options currently available, animal models of mitochondrial disease, and new frontiers in mitochondria cardiovascular medicine, including areas of research that are relatively new or developing, such as proteomics, next generation sequencing, and systems biology.