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Titolo	Improving learning by widening participation in higher education [[electronic resource] /] / edited by Miriam E. David ... [et al.]
Pubbl/distr/stampa	Milton Park, Abingdon, Oxon ; ; New York, : Routledge, 2009
ISBN	1-135-28268-4 1-282-31533-1 9786612315336 0-203-86797-1
Descrizione fisica	1 online resource (281 p.)
Collana	Improving Learning
Altri autori (Persone)	DavidMiriam E
Disciplina	379.2/60941
Soggetti	People with social disabilities - Education (Higher) - Great Britain Educational equalization - Great Britain
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	Book Cover; Title; Copyright; Contents; Illustrations; Contributors; Series editor's preface; Acknowledgements; Part I: What are the issues?; Chapter 1: Introduction to the dilemmas of widening participation in higher education; Part II: What does the research tell us?; Chapter 2: Policy contexts: Differentiation, competition and policies for widening participation; Chapter 3: Section 1 Access, participation and diversity questions in relation to different forms of post-compulsory further and higher education: The importance of prior educational experiences Chapter 3: Section 2 Access, participation and diversity questions in relation to different forms of post-compulsory further and higher education: The socio-cultural and learning experiences of workinChapter 3: Section 3 Access, participation and diversity questions in relation to different forms of post-compulsory further and higher education: Learners' transition from vocational education and tr Chapter 3: Section 4 Access, participation and diversity questions in relation to different forms of post-compulsory further and higher education: Seamlessness or separation: negotiating further and hChapter 4: Section 1 Pedagogies for social diversity and difference: Learning and teaching in two universities within the context of

increasing student diversity: complexity, contradictions and challe; Chapter 4: Section 2 Pedagogies for social diversity and difference: Keeping open the door to mathematically demanding programmes in further and higher education: a cultural model of value
Chapter 5: Section 1 Outcomes in terms of age-based participation: Diversity of experiences in higher educationChapter 5: Section 2 Outcomes in terms of age-based participation: Educational decision-making, social networks and the new widening participation; Part III: What are the overall implications for both policy and research?; Chapter 6: What are the overall findings and implications for evidence-based policies on fair access and widening participation?
Chapter 7: How do we improve learning by widening participation in higher education?: Institutional practices and pedagogies for social diversityAppendix 1: Universal Access and Dual Regimes of Further and Higher Education (the FurtherHigher Project); Appendix 2: Widening Participation in Higher Education: A Quantitative Analysis; Appendix 3: Socio-Cultural and Learning Experiences of Working-Class Students; Appendix 4: Degrees of Success: Learners' Transitions from Vocational Education and Training to Higher Education
Appendix 5: Keeping Open the Door to Mathematically Demanding Programmes in Further and Higher Education

Sommario/riassunto

Improving Learning by Widening Participation in Higher Education presents a strong and coherent rationale for improving learning for diverse students from a range of socio-economic, ethnic/racial and gender backgrounds within higher education, and for adults across the life course. Edited by Miriam David, the Associate Director of the ESRC's highly successful Teaching and Learning Research Programme, with contributions from the seven projects on Widening Participation in Higher Education (viz Gill Crozier and Diane Reay; Chris Hockings; Alison Fuller and Sue Heath; Anna Vign

2. Record Nr. UNINA9910460726203321

Autore	Mann Robert
Titolo	An introduction to particle physics and the standard model / / by Robert Mann
Pubbl/distr/stampa	Taylor & Francis, 2010 Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2009
ISBN	0-429-14122-X 1-4200-8300-7
Edizione	[First edition.]
Descrizione fisica	1 online resource (602 p.)
Classificazione	UO 1000 UO 5000
Disciplina	539.7/2
Soggetti	Particles (Nuclear physics) Quark models String models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front cover; Contents; Preface; Acknowledgments; Further Reading; Chapter 1. Introduction and Overview; Chapter 2. A Review of Special Relativity; Chapter 3. Symmetries; Chapter 4. Conservation Laws; Chapter 5. Particle Classification; Chapter 6. Discrete Symmetries; Chapter 7. Accelerators; Chapter 8. Detectors; Chapter 9. Scattering; Chapter 10. A Toy Theory; Chapter 11. Wave Equations for Elementary Particles; Chapter 12. Gauge Invariance; Chapter 13. Quantum Electrodynamics; Chapter 14. Testing QED; Chapter 15. From Nuclei to Quarks; Chapter 16. The Quark Model Chapter 17. Testing the Quark ModelChapter 18. Heavy Quarks and QCD; Chapter 19. From Beta Decay to Weak Interactions; Chapter 20. Charged Leptonic Weak Interactions; Chapter 21. Charged Weak Interactions of Quarks and Leptons; Chapter 22. Electroweak Unification; Chapter 23. Electroweak Symmetry Breaking; Chapter 24. Testing Electroweak Theory; Chapter 25. Beyond the Standard Model; Appendix A. Notation and Conventions; Appendix B. Kronecker Delta and Levi-Civita Symbols; Appendix C. Dirac Delta-Functions; Appendix D. Pauli and Dirac Matrices; Appendix E. Cross-Sections and Decay

Rates

Appendix F. Clebsch-Gordon CoefficientsAppendix G. Fundamental Constants; Appendix H. Properties of Elementary Particles; Appendix I. Feynman Rules for the Standard Model; Appendix J. The Large Hadron Rap; References; Back cover

Sommario/riassunto

An Introduction to the Standard Model of Particle Physics familiarizes readers with what is considered tested and accepted and in so doing, gives them a grounding in particle physics in general. Whenever possible, Dr. Mann takes an historical approach showing how the model is linked to the physics that most of us have learned in less challenging areas. Dr. Mann reviews special relativity and classical mechanics, symmetries, conservation laws, and particle classification; then working from the tested paradigm of the model itself, he. Those who work through the material will develop a solid command of the basics of particle physics. The book does require a knowledge of special relativity, quantum mechanics, and electromagnetism, but most importantly it requires a hunger to understand at the most fundamental level: why things exist and how it is that anything happens. This book will prepare students and others for further study, but most importantly it will prepare them to open their minds to the mysteries that lie ahead. Ultimately, the Large Hadron Collider may prove the model correct, helping so many realize their greatest dreams … or it might poke holes in the model, leaving us to wonder an even more exciting possibility: that the answers lie in possibilities so unique that we have not even dreamt of them.