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| 1. Record Nr.           | UNINA9910826003203321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Autore                  | Pas Heinrich (Heinrich)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Titolo                  | The perfect wave : with neutrinos at the boundary of space and time / / Heinrich Pas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| ISBN                    | 0-674-72619-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Descrizione fisica      | 1 online resource (312 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Disciplina              | 539.7/215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Soggetti                | Particles (Nuclear physics) - History<br>Neutrinos - Mass<br>Cosmology<br>Space and time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Note generali           | Description based upon print version of record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | Front matter -- Contents -- Preface -- 1 Dawn Patrol in Honolulu -- 2 Eleusis, Plato, Magic Mushrooms -- 3 Quantum Physics: The Multiverse of Parmenides -- 4 Black Dots on a White Background: The Particle World -- 5 Beyond the Desert: Symmetries and Unification -- 6 From Symmetry Breaking to Supersymmetry -- 7 Birth of an Outlaw: The Neutrino -- 8 Nuclear Decays a Thousand Meters Underground -- 9 New Physics Is Falling from the Skies -- 10 Cosmic Connections -- 11 Neutrinos: Key to the Universe -- 12 Extra Dimensions, Strings, and Branes -- 13 Einstein's Heritage: What Is Time? -- 14 How to Build a Time Machine -- 15 Against Hawking and the Timekeepers -- 16 Into the Wilderness of the Terascale -- 17 Epilogue: Major Tom and the Singing Socrates -- Notes -- Further Reading -- Acknowledgments -- Index |
| Sommario/riassunto      | Almost weightless and able to pass through the densest materials with ease, neutrinos may offer answers to questions ranging from relativity and quantum mechanics to more radical theories about dark energy and supersymmetry. Heinrich Päs serves as our fluent guide to a particle world that tests the boundaries of space, time, and human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

knowledge.

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