

# Particelle Familiari Le Avventure Della Fisica E Del Bosone Di Higgs Con Pulce Al Seguito

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Majorana Case, The: Letters, Documents, Testimonies - Erasmo Recami 2019-11-25

This is a translated version (from Italian) on Ettore Majorana, one of the brightest Italian theoretical physicists of the 20th century who disappeared mysteriously in 1938. He was part of Enrico Fermi's scientific team in the 1930s.

Universal - Brian Cox 2017-03-28

An awe-inspiring, unforgettable journey of scientific exploration from Brian Cox and Jeff Forshaw, the international bestselling authors of *Why Does E=MC2?* and *The Quantum Universe*, with 55 black-&-white and 45 full-color pages featuring photographs, diagrams, maps, tables, and graphs We dare to imagine a time before the Big Bang, when the entire universe was compressed into a space smaller than an atom. And now, as Brian Cox and Jeff Forshaw show, we can do more than imagine: we can understand. *Universal* takes us on an epic journey of scientific exploration. It reveals how we can all come to grips with some of the most fundamental questions about our Earth, Sun, and solar system--and the star-filled galaxies beyond. How big is our solar system? How quickly is space expanding? How big is the universe? What is it made of? Some of these questions can be answered on the basis of observations you can make in your own backyard. Other answers draw on the astonishing information now being gathered by teams of astronomers operating at the frontiers of the known universe. At the heart of all this lies the scientific method. Science reveals a deeper beauty and connects us to each other, to our world, and to our universe. Science reaches out into the unknown. As *Universal* demonstrates, if we dare to imagine, we can do the same.

**Digital Skills and Life-long Learning: Digital Learning as a New Insight of Enhanced Learning by the Innovative Approach Joining Technology and Cognition** - Dina Di Giacomo 2019-03-01

Recently, technology and aging have been key research areas in human cognition. The Research Topic "Digital Skills and Life-long Learning: Digital Learning as a New Insight of Enhanced Learning by the Innovative Approach Joining Technology and Cognition" investigated technology's impact on cognitive and intellectual processes, highlighting how intensively technology can change and/or enhance the cognitive functioning throughout one's lifespan. The aim of this Research Topic was to provide an outlook through multidisciplinary research and development while addressing the dynamic intersection of cognition, mind, and technology. Our scope was 1) to favor the cognitive technology debate, 2) to overcome the dichotomies of technology and psychology, 3) to emphasize the advances in knowledge and well-being. This Research Topic comprises review studies and original articles, focused on digital skills that enhance human potential. Transversal approaches and cross-sectorial analysis were encouraged, leading to investigation areas related to cognitive and mental processing—in educational, rehabilitation, clinical settings—across aging. Articles of high relevance to the Research Topic were submitted on the subjects of a) research in human performance and human factors, b) new research and technologies addressing the needs of a growing populace, and c) cognitive aging and cognitive rehabilitation research.

Journeys Out of the Body - Robert A. Monroe 2014-11-12

The definitive work on the extraordinary phenomenon of out-of-body experiences, by the founder of the internationally known Monroe Institute. Robert Monroe, a Virginia businessman, began to have experiences that drastically altered his life. Unpredictably, and without his willing it, Monroe found himself leaving his physical body to travel via a "second body" to locales far removed from the physical and spiritual realities of

his life. He was inhabiting a place unbound by time or death. Praise for *Journeys Out of the Body* "Monroe's account of his travels, *Journeys Out of the Body*, jam-packed with parasitic goblins and dead humans, astral sex, scary trips into mind-boggling other dimensions, and practical tips on how to get out of your body, all told with wry humor, quickly became a cult sensation with its publication in 1971, and has been through many printings. Whatever their 'real' explanation, Monroe's trips made for splendid reading." —Michael Hutchinson, author of *Megabrain* "Robert Monroe's experiences are probably the most intriguing of any person's of our time, with the possible exception of Carlos Castaneda's." —Joseph Chilton Pierce, author of *Magical Child* "This book is by a person who's clearly a sensible man and who's trying to tell it like it is. No ego trips. Just a solid citizen who's been 'out' a thousand times now and wants to pass his experiences to others." —The Last Whole Earth Catalog

**The Sandwich Thief** - Andre Marois 2016-03-01

Marin loves the sandwiches his parents make for him—every day they're different and more delicious than the last. One morning, someone dares to steal his favorite sandwich: ham-cheddar-kale. Furious, Marin begins a fevered and famished investigation to unmask the thief. The days go by, the suspects multiply, and Marin's sandwiches continue to disappear. This droll, graphic caper is a funny school mystery exploring the high stakes of low blood sugar. The first in a series, the book's witty text and graphic illustrations make this funny school mystery perfect for early and advanced readers alike—and for anyone who's been the victim of lunchtime crime.

Mysteries from Forgotten Worlds - Charles Berlitz 1990-05

**Long Live Latin** - Nicola Gardini 2020-09-03

Latin has given us so much, from Virgil's *Aeneid* to Ovid's *Metamorphoses*, from some of the world's most enduring stories to the words we use everyday. And yet we call it dead. Oxford academic Nicola Gardini argues the case for its vitality and value, offering a personal and passionate defence of its beauty and future. From ancient writers we can learn about such vital aspects of life as love, purpose, eloquence, beauty and loss. These lessons from the past can illuminate our present, and Gardini encourages us to dig to the roots of our own language to consider how Latin has influenced the ways in which we communicate, think and live today. A timely reminder that not everything needs to be 'leveraged', 'optimised' or 'efficient' - some things enrich our lives by simply being part of them. A formidable mix of history, memoir and criticism, this is a beautiful love letter to one language that ultimately celebrates the vital power of all literature.

**Constraints and Possibilities** - Mauro Ceruti 1994

Originally published in the Italian, *Constraints and Possibilities* has caused a considerable stir in Europe and has already been translated into several languages. In what noted cyberneticist Heinz von Foerster called a stroke of genius, Ceruti applies a new perspective to our understanding of evolution, and startlingly outlines how the evolution of our knowledge and our knowledge of evolution have in fact been mirror images of each other. Expanding on the intellectual tradition of Gregory Bateson, Ervin Laszlo, Stephen Jay Gould, and Niles Eldredge, Ceruti's work is a testament to the paradigm shift occurring in science today. Indispensable reading for anyone interested in the evolution of our conception of knowledge.

Don't Tell Me You're Afraid - Giuseppe Catozzella 2016

Based on a true story, tells the tale of a Somali girl who risked her life on a migrant journey to Europe to run in the Olympic Games.

**Swiftiana** - Jonathan Swift 1804

**How To Understand  $E=mc^2$**  - Christophe Galfard 2017-09-21

Do something amazing and learn a new skill thanks to the Little Ways to Live a Big Life books! The beginning of the 20th century heralded a scientific revolution: what a few brilliant minds uncovered about our reality in the first twenty years has shaped the history of our species. And one of them in particular stands out: Einstein, with his celebrated  $E=mc^2$ . In this remarkable and insightful book, Christophe Galfard describes how  $E=mc^2$  is a direct consequence of the Theory of Special Relativity, the theory of how objects move and behave, at speeds close to the speed of light. He considers Einstein's legacy in the light of the 21st century, with fresh hindsight, and considers its impact on our vision of reality. The reader will discover that far from being just a formula, it is a brand new understanding of the nature of space and time. Some of the greatest scientific breakthroughs in the history of science have been made by geniuses who managed to merge and unite hitherto separated domains of knowledge. Galfard explores two unifications with Einstein's theories, and looks at the even bigger picture of how  $E=mc^2$  has changed our world, and what it entails for the future. Throughout, Galfard takes the reader on an extremely entertaining journey, using simple, jargon-free language to help the reader gain a deeper understanding of science. With humour and patience, he guides us through the world of particles, anti-matter and much more to bring us closer to an ultimate understanding of reality as we understand it today.

**The Secret of Benedict XVI** - Antonio Socci 2019-05-24

Questions keep arising about what really happened in 2013 with the surprising "resignation" of Benedict XVI, his decision to remain on as "pope emeritus," and thus the presence of two popes living side-by-side. In this compelling work, Socci investigates the mysterious mission to which Benedict XVI has felt called in service of the Church.

Six Memos for the Next Millennium - Italo Calvino 2013-04-04

Italo Calvino was due to deliver the Charles Eliot Norton lectures at Harvard in 1985-86, but they were left unfinished at his death. The surviving drafts explore of the concepts of Lightness, Quickness, Multiplicity, Exactitude and Visibility (Constancy was to be the sixth) in serious yet playful essays that reveal Calvino's debt to the comic strip and the folktale. With his customary imagination and grace, he sought to define the virtues of the great literature of the past in order to shape the values of the future. This collection is a brilliant précis of the work of a great writer whose legacy will endure through the millennium he addressed. Italo Calvino, one of Italy's finest postwar writers, has delighted readers around the world with his deceptively simple, fable-like stories. Calvino was born in Cuba in 1923 and raised in San Remo, Italy; he fought for the Italian Resistance from 1943-45. His major works include Cosmicomics (1968), Invisible Cities (1972), and If on a winter's night a traveler (1979). He died in Siena in 1985, of a brain hemorrhage.

**The Consciousness Revolution** - Stanislav Grof 1999

Discusses current global conditions including peace, changes in society, education, religion, spirituality, and consciousness

**Quantum Physics for Poets** - Leon M. Lederman 2011-09-27

The Times Literary Supplement called their previous book, Symmetry and the Beautiful Universe: [A] tour de force of physics made simple. Quantum theory is the bedrock of contemporary physics and the basis of understanding matter in its tiniest dimensions and the vast universe as a whole. But for many, the theory remains an impenetrable enigma. Nobel Prize laureate Leon M. Lederman and Fermi lab theoretical physicist Christopher T. Hill seek to remedy this situation by both drawing on their scientific expertise and their talent for communicating science to the general reader. In this lucid, informative book, designed for the curious, they make the seemingly daunting subject of quantum physics accessible, appealing, and exciting. Their story is partly historical, covering the many Eureka moments when great scientists-Max Planck, Albert Einstein, Niels Bohr, Werner Heisenberg, Erwin Schrödinger, and others-struggled to come to grips with the bizarre realities that quantum research revealed. Although their findings were

indisputably proven in experiments, they were so strange and counterintuitive that Einstein refused to accept quantum theory, despite its great success. The authors explain the many strange and even eerie aspects of quantum reality at the subatomic level, from particles that can be many places simultaneously and sometimes act more like waves, to the effect that a human can have on their movements by just observing them! Finally, Drs. Lederman and Hill delve into quantum physics' latest and perhaps most breathtaking offshoots-field theory and string theory. The intricacies and ramifications of these two theories will give the reader much to ponder. In addition, the authors describe the diverse applications of quantum theory in its almost countless forms of modern technology throughout the world. Using eloquent analogies and illustrative examples, Quantum Physics for Poets render even the most profound reaches of quantum theory understandable and something for us all to savor. Leon M. Lederman, Nobel Laureate (Batavia, IL), is Resident Scholar at the Illinois Mathematics and Science Academy, Director Emeritus of Fermi National Accelerator Laboratory, Pritzker Professor of Science at the Illinois Institute of Technology, the author of the highly acclaimed The God Particle, the editor of Portraits of Great American Scientists, and a contributor to Science Literacy for the Twenty-First Century. Dr. Lederman and coauthor Christopher T. Hill are also the coauthors of Symmetry and the Beautiful Universe. Christopher T. Hill, PhD (Batavia, IL), is chairman of the Department of Theoretical Physics and a theoretical physicist (Scientist III) at Fermi National Accelerator Laboratory.

Language, Quantum, Music - Roberto Giuntini 1999-08-31

Selected Contributed Papers of the Tenth International Congress of Logic, Methodology and Philosophy of Science, Florence, August 1995

**The Guggenheim Mystery** - Robin Stevens 2019-10-15

The adventure that began in Siobhan Dowd's popular novel The London Eye Mystery at long last continues as three kids investigate a theft at the Guggenheim Museum. When Ted and his big sister, Kat, take a trip to New York to visit their cousin Salim and their aunt Gloria, they think they're prepared for big-city adventures. But when a famous painting is stolen from the Guggenheim Museum, where Aunt Gloria works, the surprises begin to mount faster than they could have anticipated. With the police looking at Aunt Gloria as the prime suspect, Ted, Kat, and Salim become sleuthing partners, following a trail of clues across NYC to prove her innocence--and to pinpoint the real thief. Ultimately, it comes down to Ted, whose brain works in its own very unique way, to find the key to the mystery.

Uncle Tungsten - Oliver Sacks 2013-12-11

Long before Oliver Sacks became a distinguished neurologist and bestselling writer, he was a small English boy fascinated by metals--also by chemical reactions (the louder and smellier the better), photography, squids and cuttlefish, H.G. Wells, and the periodic table. In this endlessly charming and eloquent memoir, the author of The Man Who Mistook His Wife for a Hat and Awakenings chronicles his love affair with science and the magnificently odd and sometimes harrowing childhood in which that love affair unfolded. In Uncle Tungsten we meet Sacks' extraordinary family, from his surgeon mother (who introduces the fourteen-year-old Oliver to the art of human dissection) and his father, a family doctor who imbues in his son an early enthusiasm for housecalls, to his "Uncle Tungsten," whose factory produces tungsten-filament lightbulbs. We follow the young Oliver as he is exiled at the age of six to a grim, sadistic boarding school to escape the London Blitz, and later watch as he sets about passionately reliving the exploits of his chemical heroes--in his own home laboratory. Uncle Tungsten is a crystalline view of a brilliant young mind springing to life, a story of growing up which is by turns elegiac, comic, and wistful, full of the electrifying joy of discovery.

**A Zeptospace Odyssey: A Journey Into the Physics of the LHC** - Gian Francesco Giudice 2010

This book aims to provide a guide for understanding and following the discoveries that will take place within the next few years at the Large Hadron Collider project at CERN.

**The ubiquitous mechanism accelerating cosmic rays at all the energies** - Antonio Codino 2021-02-04

The mechanism accelerating Cosmic rays in the milky way galaxy and galaxy clusters is identified and described. The acceleration of Cosmic rays is a purely electrostatic process which operate up to the maximum energies of  $10^{23}$  eV in galaxy clusters. Galactic Cosmic rays are accelerated in a pervasive electrostatic field active in the whole galaxy except in restricted regions shielded by Interstellar and stellar

plasma as, for instance, the region occupied by the Solar system. It is proved that the Energy spectrum of the Cosmic radiation in the milky way galaxy, in the region where the Solar system resides, has a constant Spectral index comprised between 2.64-2.68 and the maximum energies of galactic protons are  $3.0 \times 10^{19}$  ev. The agreement of these results with the experimental data is discussed in detail and highlighted. The various physical processes that maintain the stability of the electrostatic structure in the milky way galaxy are the same that generate the galactic magnetic field. Accordingly, the intensity, orientation and direction of the galactic magnetic field are evaluated. The results of the calculation are compared with the observation data, optical and mostly radio astronomi data. The accord of the intensity, orientation and direction of the observed magnetic field with calculation is excellent.

*The Life I'm In* - Sharon G. Flake 2021-01-05

The powerful and long-anticipated companion to *The Skin I'm In*, Sharon Flake's bestselling modern classic, presents the unflinching story of Char, a young woman trapped in the underworld of human trafficking. My feet are heavy as stones when I walk up the block wondering why I can't find my old self. In *The Skin I'm In*, readers saw into the life of Maleeka Madison, a teen who suffered from the ridicule she received because of her dark skin color. For decades fans have wanted to know the fate of the bully who made Maleeka's life miserable, Char. Now in Sharon Flake's latest and unflinching novel, *The Life I'm In*, we follow Charlese Jones, who, with her raw, blistering voice speaks the truths many girls face, offering insight to some of the causes and conditions that make a bully. Turned out of the only home she has known, Char boards a bus to nowhere where she is lured into the dangerous web of human trafficking. Much is revealed behind the complex system of men who take advantage of vulnerable teens in the underbelly of society. While Char might be frightened, she remains strong and determined to bring herself and her fellow victims out of the dark and back into the light, reminding us why compassion is a powerful cure to the ills of the world. Sharon Flake's bestselling, Coretta Scott King Award-winning novel *The Skin I'm In* was a game changer when it was first published more than twenty years ago. It redefined young adult literature by presenting characters, voices, and real-world experiences that had not been fully seen. Now Flake offers readers another timely and radical story of a girl on the brink and how her choices will lead her to either fall, or fly.

*The Logical Structure of Consciousness* - Michael Starks 2019-07-17

It is my contention that the table of intentionality (rationality, mind, thought, language, personality etc.) that features prominently here describes more or less accurately, or at least serves as an heuristic for, how we think and behave, and so it encompasses not merely philosophy and psychology, but everything else (history, literature, mathematics, politics etc.). Note especially that intentionality and rationality as I (along with Searle, Wittgenstein and others) view it, includes both conscious deliberative linguistic System 2 and unconscious automated prelinguistic System 1 actions or reflexes. I provide a critical survey of some of the major findings of two of the most eminent students of behavior of modern times, Ludwig Wittgenstein and John Searle, on the logical structure of intentionality (mind, language, behavior), taking as my starting point Wittgenstein's fundamental discovery -that all truly 'philosophical' problems are the same-confusions about how to use language in a particular context, and so all solutions are the same-looking at how language can be used in the context at issue so that its truth conditions (Conditions of Satisfaction or COS) are clear. The basic problem is that one can say anything but one cannot mean (state clear COS for) any arbitrary utterance and meaning is only possible in a very specific context. I analyze various writings by and about them from the modern perspective of the two systems of thought (popularized as 'thinking fast, thinking slow'), employing a new table of intentionality and new dual systems nomenclature. I show that this is a powerful heuristic for describing behavior. Thus, all behavior is intimately connected if one takes the correct viewpoint. The Phenomenological Illusion (oblivion to our automated System 1) is universal and extends not merely throughout philosophy but throughout life. I am sure that Chomsky, Obama, Zuckerberg and the Pope would be incredulous if told that they suffer from the same problem as Hegel, Husserl and Heidegger, (or that that they differ only in degree from drug and sex addicts in being motivated by stimulation of their frontal cortices by the delivery of dopamine (and over 100 other chemicals) via the ventral tegmentum and the nucleus accumbens), but it's clearly true. While the phenomenologists only wasted a lot of people's time, they are wasting the earth and their descendant's future.

*Strong and Weak Interactions* - Antonino Zichichi 1966

**Il segreto della musica: L-DNA** - Giuseppe Monetti 2018-04-30

Dal silenzioso gene del linguaggio (Foxp2), alla robotica musicale, dalla teoria del caos fino a parallelismi con lo spaziotempo di Einstein e al bosone di Higgs, risulta possibile ipotizzare l'esistenza di un logobosone del linguaggio e si dimostra come una qualsiasi composizione musicale risulta traducibile in un sistema elicoidale simile a quello del DNA con una genesi logogravitazionale. Il mondo teorico esposto in queste pagine si fonde con quello reale nella sua interezza, viaggiando nel parallelismo esistente tra la musica e le scienze più diverse.

*Beyond the God Particle* - Leon M. Lederman 2013

The physicist authors of *Quantum Physics for Poets* discuss the importance of the Higgs Boson in 2012 and the future of particle physics, explaining the forces and laws surrounding the "God Particle" and the ways the United States can recapture a leadership role in scientific advancement.

**Zou and the Box of Kisses** - Michel Gay 2011

Zou is preparing to leave for a school camp. He doesn't want to seem like a baby, but he knows that he will miss all his daily kisses: the bedtime kisses, the morning kisses, the no-reason-at-all kisses . . . But Zou needn't worry. Mum and Dad have a solution. They make dozens of paper kisses and put them in a box for Zou to use whenever he feels a bit lonely. But the box of kisses comes in surprisingly useful on the train . . .

**On Ugliness** - Umberto Eco 2011

Beauty and ugliness are two sides of the same coin; by ugliness we usually mean the opposite of beauty and we often define the first in order to understand the nature of the second. But the various depictions of ugliness over the centuries are richer and more unpredictable than is commonly thought. The striking images and anthological quotations in *On Ugliness* lead us on an extraordinary journey through the passions, terrors and nightmares of almost three thousand years, where acts of rejection go hand in hand with touching instances of empathy, and an aversion to deformity is accompanied by seductive violations of all classical canons. With his characteristic wit and erudition, Umberto Eco draws on examples in art and literature from ancient times to the present day. Abundantly illustrated with demons, madmen, vile enemies and disquieting presences, with freaks and the living dead, *On Ugliness* is conceived for a vast and diverse readership, and is an invaluable companion volume to *On Beauty*.

**A Mathematical Picture Book** - Georg Glaeser 2019-10-22

How can one visualize a curve that fills the entire plane or all of space? Can a polyhedron be smoothly turned inside out? What is the projective plane? What does four-dimensional space look like? Can soap bubbles exist that are not spherical? How can one better understand the structure of vortices and currents? In this book you will experience mathematics from the visual point of view, discovering fascinating and never previously published images that offer illustrative examples to the above questions. Every picture is accompanied by a brief explanatory text, references to further reading, and a number of web links where you can obtain further information. This book is intended for all friends of mathematics—students, teachers, amateurs, and professionals—who want to see something beyond dry text and endless formulas. It will provide inspiration for pursuing further one or another topic that may previously have seemed inaccessible. You will get to know mathematics from a totally new and colorful viewpoint.

**Particelle familiari** - Marco Delmastro 2016-01-14T00:00:00+01:00

Con estrema chiarezza e con una pregevole attenzione alla scrittura, Marco Delmastro racconta i fondamenti teorici, il senso e il fascino del suo lavoro di fisico sperimentale. Incalzato dalle domande della moglie, La Signora delle Lettere, dell'amico Ingegnere, della Zia Omeopatica e soprattutto dagli inesauribili 'perché?' della figlia Pulce di cinque anni, il protagonista è costretto a trovare un modo efficace per spiegare il complesso mondo subatomico. Missione completamente riuscita. Bruno Arpaia, "l'Espresso" Marco Delmastro guida i lettori alla scoperta dello zoo di particelle che compongono l'universo. Pagine molto riuscite, in cui si comincia a prendere confidenza con quark e leptoni, fotoni e gluoni in un caotico gioco serale, in famiglia, con i mattoncini delle costruzioni. Valentina Murelli, "Le Scienze" Con una scrittura divertente e accurata, Delmastro racconta il funzionamento microscopico dell'universo, come questa conoscenza sia stata costruita dalla comunità scientifica nel tempo, quali siano i punti ancora oscuri sui quali i fisici delle particelle oggi cercano di gettare luce. Alma Toppino, "Tuttolibri"

**The Logical Structure of Human Behavior** - Michael Starks 2019-02-27

It is my contention that the table of intentionality (rationality, mind, thought, language, personality etc.) that features prominently here describes more or less accurately, or at least serves as an heuristic for, how we think and behave, and so it encompasses not merely philosophy and psychology, but everything else (history, literature, mathematics, politics etc.). Note especially that intentionality and rationality as I (along with Searle, Wittgenstein and others) view it, includes both conscious deliberative linguistic System 2 and unconscious automated prelinguistic System 1 actions or reflexes. I provide a critical survey of some of the major findings of two of the most eminent students of behavior of modern times, Ludwig Wittgenstein and John Searle, on the logical structure of intentionality (mind, language, behavior), taking as my starting point Wittgenstein's fundamental discovery -that all truly 'philosophical' problems are the same-confusions about how to use language in a particular context, and so all solutions are the same-looking at how language can be used in the context at issue so that its truth conditions (Conditions of Satisfaction or COS) are clear. The basic problem is that one can say anything but one cannot mean (state clear COS for) any arbitrary utterance and meaning is only possible in a very specific context. I analyze various writings by and about them from the modern perspective of the two systems of thought (popularized as 'thinking fast, thinking slow'), employing a new table of intentionality and new dual systems nomenclature. I show that this is a powerful heuristic for describing behavior. Thus, all behavior is intimately connected if one takes the correct viewpoint. The Phenomenological Illusion (oblivion to our automated System 1) is universal and extends not merely throughout philosophy but throughout life. I am sure that Chomsky, Obama, Zuckerberg and the Pope would be incredulous if told that they suffer from the same problem as Hegel, Husserl and Heidegger, (or that that they differ only in degree from drug and sex addicts in being motivated by stimulation of their frontal cortices by the delivery of dopamine (and over 100 other chemicals) via the ventral tegmentum and the nucleus accumbens), but it's clearly true. While the phenomenologists only wasted a lot of people's time, they are wasting the earth and their descendant's future.

Particelle familiari. Le avventure della fisica e del bosone di Higgs, con Pulce al seguito - Marco Delmastro 2016

**Obsolete Objects in the Literary Imagination** - Francesco Orlando 2008-10-01

Translated here into English for the first time is a monumental work of literary history and criticism comparable in scope and achievement to Eric Auerbach's *Mimesis*. Italian critic Francesco Orlando explores Western literature's obsession with outmoded and nonfunctional objects (ruins, obsolete machinery, broken things, trash, etc.). Combining the insights of psychoanalysis and literary-political history, Orlando traces this obsession to a turning point in history, at the end of eighteenth-century industrialization, when the functional becomes the dominant value of Western culture. Roaming through every genre and much of the history of Western literature, the author identifies distinct categories into which obsolete images can be classified and provides myriad examples. The function of literature, he concludes, is to remind us of what we have lost and what we are losing as we rush toward the future.

**The Greeks and the Irrational** - Eric R. Dodds 2004-06-16

In this philosophy classic, which was first published in 1951, E. R. Dodds takes on the traditional view of Greek culture as a triumph of rationalism. Using the analytical tools of modern anthropology and psychology, Dodds asks, "Why should we attribute to the ancient Greeks an immunity from 'primitive' modes of thought which we do not find in any society open to our direct observation?" Praised by reviewers as "an event in modern Greek scholarship" and "a book which it would be difficult to over-praise," *The Greeks and the Irrational* was Volume 25 of the Sather Classical Lectures series.

LHC Physics - T. Binoth 2012-04-25

Exploring the phenomenology of the Large Hadron Collider (LHC) at CERN, *LHC Physics* focuses on the first years of data collected at the LHC as well as the experimental and theoretical tools involved. It discusses a broad spectrum of experimental and theoretical activity in particle physics, from the searches for the Higgs boson and physics beyond the Standard Model to studies of quantum chromodynamics, the B-physics sector, and the properties of dense hadronic matter in heavy-ion collisions. Covering the topics in a pedagogical manner, the book introduces the theoretical and phenomenological framework of hadron collisions and presents the current theoretical models of frontier physics. It offers overviews of the main

detector components, the initial calibration procedures, and search strategies. The authors also provide explicit examples of physics analyses drawn from the recently shut down Tevatron. In the coming years, or perhaps even sooner, the LHC experiments may reveal the Higgs boson and offer insight beyond the Standard Model. Written by some of the most prominent and active researchers in particle physics, this volume equips new physicists with the theory and tools needed to understand the various LHC experiments and prepares them to make future contributions to the field.

**Electroweak Interactions** - Luciano Maiani 2015-12-02

Get First-Hand Insight from a Contributor to the Standard Model of Particle Physics Written by an award-winning former director-general of CERN and one of the world's leading experts on particle physics, *Electroweak Interactions* explores the concepts that led to unification of the weak and electromagnetic interactions. It provides the fundamental el

Alice in Quantumland - Robert Gilmore 1995-07-21

In this cleverly conceived book, physicist Robert Gilmore makes accessible some complex concepts in quantum mechanics by sending Alice to Quantumland-a whole new Wonderland, smaller than an atom, where each attraction demonstrates a different aspect of quantum theory. Alice unusual encounters, enhanced by illustrations by Gilmore himself, make the Uncertainty Principle, wave functions, the Pauli Principle, and other elusive concepts easier to grasp.

**Leptons And Quarks (Special Edition Commemorating The Discovery Of The Higgs Boson)** - Lev Borisovich Okun 2014-04-29

The book "Leptons and Quarks" was first published in the early 1980s, when the program of the experimental search for the intermediate bosons W and Z and Higgs boson H was formulated. The aim and scope of the present extended edition of the book, written after the experimental discovery of the Higgs boson in 2012, is to reflect the various stages of this 30+ years search. Along with the text of the first edition of "Leptons and Quarks" it contains extracts from a number of books published by World Scientific and an article from "On the concepts of vacuum and mass and the search for higgs" available from [www.worldscientific.com/worldscinet/mpla](http://www.worldscientific.com/worldscinet/mpla) or from [arxiv.org/abs/1212.1031](http://arxiv.org/abs/1212.1031). The book is unique in communicating the Electroweak Theory at a basic level and in connecting the concept of Lorenz invariant mass with the concept of the Extended Standard Model, which includes gravitons as the carriers of gravitational interaction.

A Spartan's Sorrow - Hannah Lynn 2022-01-23

All murders must be avenged. While the rest of Greece mourns for the war that has taken their husbands away, Clytemnestra fears the day it will bring hers back. When her husband willingly sacrifices their eldest daughter to appease the Gods, Clytemnestra vows to do whatever it takes to protect her remaining children. But in doing so she faces losing them altogether. A story of love, loss and bitter betrayals, *A Spartan's Sorrow* shows that sometimes you must risk it all to protect the ones you love. If you are a fan of vengeful Gods and fierce family rivalries you will love Hannah Lynn's epic tale of ancient Greece's most formidable Queen.

Our Cosmic Habitat - Martin Rees 2017-11-21

Our universe seems strangely "biophilic," or hospitable to life. Is this happenstance, providence, or coincidence? According to cosmologist Martin Rees, the answer depends on the answer to another question, the one posed by Einstein's famous remark: "What interests me most is whether God could have made the world differently." This highly engaging book explores the fascinating consequences of the answer being "yes." Rees explores the notion that our universe is just a part of a vast "multiverse," or ensemble of universes, in which most of the other universes are lifeless. What we call the laws of nature would then be no more than local bylaws, imposed in the aftermath of our own Big Bang. In this scenario, our cosmic habitat would be a special, possibly unique universe where the prevailing laws of physics allowed life to emerge. Rees begins by exploring the nature of our solar system and examining a range of related issues such as whether our universe is or isn't infinite. He asks, for example: How likely is life? How credible is the Big Bang theory? Rees then peers into the long-range cosmic future before tracing the causal chain backward to the beginning. He concludes by trying to untangle the paradoxical notion that our entire universe, stretching 10 billion light-years in all directions, emerged from an infinitesimal speck. As

Rees argues, we may already have intimations of other universes. But the fate of the multiverse concept depends on the still-unknown bedrock nature of space and time on scales a trillion trillion times smaller than atoms, in the realm governed by the quantum physics of gravity. Expanding our comprehension of the cosmos, *Our Cosmic Habitat* will be read and enjoyed by all those--scientists and nonscientists alike--who are as fascinated by the universe we inhabit as is the author himself.

**Atoms in the Family** - Laura Fermi 2014-10-24

In this absorbing account of life with the great atomic scientist Enrico Fermi, Laura Fermi tells the story of their emigration to the United States in the 1930s—part of the widespread movement of scientists from Europe to the New World that was so important to the development of the first atomic bomb. Combining intellectual biography and social history, Laura Fermi traces her husband's career from his childhood, when he taught himself physics, through his rise in the Italian university system concurrent with the rise of fascism, to his receipt of the Nobel Prize, which offered a perfect opportunity to flee the country without arousing official suspicion, and his odyssey to the United States.