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Come Fly with Me! - David C. Housel 1984

Astronomy and Astrophysics National Historic Landmark Theme Study - Harry A. Butowsky 1989

The Politics and Morality of Deviance - Nachman Ben-Yehuda 1990-01-01

The Politics and Morality of Deviance develops a theoretical framework and then applies it to four different and specific case studies in an explicit attempt to put the sociology of deviance back into mainstream sociology. It argues that deviance should be analyzed as a relative phenomenon in different and changing cultures, vis-a-vis change and stability in the boundaries of different symbolic/moral universes. It also argues that the legitimization of power should be thought of in terms of a moral order that in turn defines the societal boundaries of different symbolic/moral universes. Mills' concept of motivational accounting systems is utilized

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throughout the text in order to illustrate how the micro and macro levels of analysis can be integrated.

The Five-year Outlook - 1980

Search for New Physics in $t\bar{t}$ Final States with Additional Heavy-Flavor Jets with the ATLAS Detector - Javier Montejo Berlingen 2016-07-20

This doctoral thesis focuses on the search for new phenomena in top-antitop quark ($t\bar{t}$) final states with additional b-quark jets at the LHC. It uses the full Run 1 dataset collected by the ATLAS experiment in proton-proton collisions at $\sqrt{s}=8$ TeV. The final state of interest consists of an isolated lepton, a neutrino and at least six jets with at least four b-tagged jets, a challenging experimental signature owing to the large background from $t\bar{t}$ +heavy-flavor production. This final state is characteristic of $t\bar{t}H$ production, with the Higgs boson decaying into $b\bar{b}$, a process that allows direct probing of the

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top-Higgs Yukawa coupling. This signature is also present in many extensions of the Standard Model that have been proposed as solutions to the hierarchy problem, such as supersymmetry or composite Higgs models, which predict the pair production of bosonic or fermionic top quark partners, or the anomalous production of four-top-quark events. All these physics processes have been searched for using an ambitious search strategy that has been developed on the basis of a combination of state-of-art theoretical predictions and a sophisticated statistical analysis to constrain in-situ the large background uncertainties. As a result, the most restrictive bounds to date on the above physics processes have been obtained.

Life Beyond Earth - Timothy Ferris 2000

A pictorial celebration of the search for life on other worlds is based on a PBS documentary and includes more than two hundred illustrations, including such images as Hubble Space Telescope photography and pulp science fiction

cover art, complemented with observations by noted scientists. By the author of Galaxies. 35,000 first printing.

Red Limit Freeway - John DeChancie
2014-04-01

Space trucker Jake McGraw hits the road on a perilous race through the universe as the Skyway story continues. Jake McGraw is a man on the run from half the universe. After stumbling upon what seems to be the fabled roadmap to the stars, Jake must outrun the most detestable vermin and roadbugs in the galaxy and the only thing separating him from them is his tattered starrig. In the lawless region of space Jake must keep his rig running if he knows what's good for him. He has something that everyone wants and they will stop at nothing to get it. But how long can he keep going on the road where there is no relief for light years?

NASA EP. - United States. National Aeronautics and Space Administration 1982

Cosmos - Carl Sagan 2013-12-10

RETURNING TO TELEVISION AS AN ALL-NEW MINISERIES ON FOX Cosmos is one of the bestselling science books of all time. In clear-eyed prose, Sagan reveals a jewel-like blue world inhabited by a life form that is just beginning to discover its own identity and to venture into the vast ocean of space. Featuring a new Introduction by Sagan's collaborator, Ann Druyan, full color illustrations, and a new Foreword by astrophysicist Neil deGrasse Tyson, Cosmos retraces the fourteen billion years of cosmic evolution that have transformed matter into consciousness, exploring such topics as the origin of life, the human brain, Egyptian hieroglyphics, spacecraft missions, the death of the Sun, the evolution of galaxies, and the forces and individuals who helped to shape modern science. Praise for Cosmos "Magnificent . . . With a lyrical literary style, and a range that touches almost all aspects of human knowledge, Cosmos often seems too good to be true."—The

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Plain Dealer "Sagan is an astronomer with one eye on the stars, another on history, and a third—his mind's—on the human condition."—Newsday "Brilliant in its scope and provocative in its suggestions . . . shimmers with a sense of wonder."—The Miami Herald "Sagan dazzles the mind with the miracle of our survival, framed by the stately galaxies of space."—Cosmopolitan "Enticing . . . iridescent . . . imaginatively illustrated."—The New York Times Book Review

[A Few Great Scientists](#) - Jorge Alberto Delucca 2017-07-28

The book is a collection of biographies of nine scientists. Each chapter is a short biography of each scientist (two scientists in chapter 4). It starts with Alfred Nobel, a chemist. Several of the scientists won Nobel Prizes.

Book Lust - Nancy Pearl 2009-09-29

What to read next is every book lover's greatest dilemma. Nancy Pearl comes to the rescue with this wide-ranging and fun guide to the best

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reading new and old. Pearl, who inspired legions of litterateurs with "What If All (name the city) Read the Same Book," has devised reading lists that cater to every mood, occasion, and personality. These annotated lists cover such topics as mother-daughter relationships, science for nonscientists, mysteries of all stripes, African-American fiction from a female point of view, must-reads for kids, books on bicycling, "chick-lit," and many more. Pearl's enthusiasm and taste shine throughout.

High Technology - 1984-07

The Ice Limit - Douglas Preston 2001-07-01

The largest known meteorite has been discovered, entombed in the earth for millions of years on a frigid, desolate island off the southern tip of Chile. At four thousand tons, this treasure seems impossible to move. New York billionaire Palmer Lloyd is determined to have this incredible find for his new museum. Stocking a cargo ship with the finest scientists and

engineers, he builds a flawless expedition. But from the first approach to the meteorite, people begin to die. A frightening truth is about to unfold: The men and women of the Rolvaag are not taking this ancient, enigmatic object anywhere. It is taking them.

Star-forming Dwarf Galaxies and Related Objects - D. Kunth 1985

Search for Higgs, Leptoquarks, and Exotics at Tevatron - Song Ming Wang 2004

A Reasonable God - Arnie Berg 2010-12-04

The last decade has seen an out-pouring of new books by Christian authors that present the scientific evidence for cosmic and biological evolution. The significance of these details challenges the traditional theological understanding of creation and urges Christ-followers to adopt an evolutionary creationist approach. Failure to do so puts science and faith on a collision course. A Reasonable God

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identifies the issues, synthesizes the viewpoints, and encourages readers to step outside their comfort zone and wrestle with some of the ambiguities and uncertainties. The book is a great asset for post-secondary students who are confronted with the evidences, and for church leaders who are looking for a quick way to become better informed.

What Caused the Big Bang? - Rem Blanchard Edwards 2001

This book critically explores answers to the big question, What produced our universe around fifteen billion years ago in a Big Bang? It critiques contemporary atheistic cosmologies, including Steady State, Oscillationism, Big Fizz, Big Divide, and Big Accident, that affirm the eternity and self-sufficiency of the universe without God. This study defends and revises Process Theology and arguments for God's existence from the universe's life-supporting order and contingent existence.

Oxford Studies in Epistemology - Tamar Szabó

Gendler 2013-04-25

Oxford Studies in Epistemology is a biennial publication which offers a regular snapshot of state-of-the-art work in this important field. Under the guidance of a distinguished editorial board composed of leading philosophers in North America, Europe and Australasia, it publishes exemplary papers in epistemology, broadly construed. Topics within its purview include: *traditional epistemological questions concerning the nature of belief, justification, and knowledge, the status of scepticism, the nature of the a priori, etc; *new developments in epistemology, including movements such as naturalized epistemology, feminist epistemology, social epistemology, and virtue epistemology, and approaches such as contextualism; *foundational questions in decision-theory; *confirmation theory and other branches of philosophy of science that bear on traditional issues in epistemology; *topics in the philosophy of perception relevant to epistemology; *topics

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in cognitive science, computer science, developmental, cognitive, and social psychology that bear directly on traditional epistemological questions; and *work that examines connections between epistemology and other branches of philosophy, including work on testimony and the ethics of belief. Anyone wanting to understand the latest developments at the leading edge of the discipline can start here.

Cosmology and Controversy - Helge Kragh
2021-03-09

For over three millennia, most people could understand the universe only in terms of myth, religion, and philosophy. Between 1920 and 1970, cosmology transformed into a branch of physics. With this remarkably rapid change came a theory that would finally lend empirical support to many long-held beliefs about the origins and development of the entire universe: the theory of the big bang. In this book, Helge Kragh presents the development of scientific cosmology for the first time as a historical event,

one that embroiled many famous scientists in a controversy over the very notion of an evolving universe with a beginning in time. In rich detail he examines how the big-bang theory drew inspiration from and eventually triumphed over rival views, mainly the steady-state theory and its concept of a stationary universe of infinite age. In the 1920s, Alexander Friedmann and Georges Lemaître showed that Einstein's general relativity equations possessed solutions for a universe expanding in time. Kragh follows the story from here, showing how the big-bang theory evolved, from Edwin Hubble's observation that most galaxies are receding from us, to the discovery of the cosmic microwave background radiation. Sir Fred Hoyle proposed instead the steady-state theory, a model of dynamic equilibrium involving the continuous creation of matter throughout the universe. Although today it is generally accepted that the universe started some ten billion years ago in a big bang, many readers may not fully realize

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that this standard view owed much of its formation to the steady-state theory. By exploring the similarities and tensions between the theories, Kragh provides the reader with indispensable background for understanding much of today's commentary about our universe.

The Vinyl Frontier - Jonathan Scott 2019-03-21
'Bursts with gloriously geeky detail.' The Telegraph Have you ever made someone you love a mix-tape? Forty years ago, a group of scientists, artists and writers gathered in a house in Ithaca, New York to work on the most important compilation ever conceived. It wasn't from one person to another, it was from Earth to the Cosmos. In 1977 NASA sent Voyager 1 and 2 on a Grand Tour of the outer planets. During the design phase of the Voyager mission, it was realised that this pair of plucky probes would eventually leave our solar system to drift forever in the unimaginable void of interstellar space. With this gloomy-sounding outcome in mind, NASA decided to do something optimistic. They

commissioned astronomer Carl Sagan to create a message to be fixed to the side of Voyager 1 and 2 - a plaque, a calling card, a handshake to any passing alien that might one day chance upon them. The result was the Voyager Golden Record, a genre-hopping multi-media metal LP. A 90-minute playlist of music from across the globe, a sound essay of life on Earth, spoken greetings in multiple languages and more than 100 photographs and diagrams, all painstakingly chosen by Sagan and his team to create an aliens' guide to Earthlings. The record included music by J.S. Bach and Chuck Berry, a message of peace from US president Jimmy Carter, facts, figures and dimensions, all encased in a golden box. The Vinyl Frontier tells the story of NASA's interstellar mix-tape, from first phone call to final launch, when Voyager 1 and 2 left our planet bearing their hopeful message from the Summer of '77 to a distant future.

Edwin Hubble - Gale E. Chrisitanson
2019-03-04

Edwin Hubble: Mariner of the Nebulae is both the biography of an extraordinary human being and the story of the greatest quest in the history of astronomy since the Copernican revolution. The book is a revealing portrait of scientific genius, an incisive engaging history of ideas, and a shimmering evocation of what we see when gazing at the stars. Born in 1889 and reared in the village of Marshfield, Missouri, Edwin Powell Hubble-star athlete, Rhodes Scholar, military officer, and astronomer- became one of the towering figures in twentieth-century science. Hubble worked with the great 100-inch Hooker telescope at California's Mount Wilson Observatory and made a series of discoveries that revolutionized humanity's vision of the cosmos. In 1923 he was able to confirm the existence of other nebulae (now known to be galaxies) beyond our own Milky Way. By the end of the decade, Hubble had proven that the universe is expanding, thus laying the very cornerstone of the big bang theory of creation. It

was Hubble who developed the elegant scheme by which the galaxies are classified as ellipticals and spirals, and it was Hubble who first provided reliable evidence that the universe is homogeneous, the same in all directions as far as the telescope can see. An incurable Anglophile with a penchant for tweed jackets and English briars, Hubble, together with his brilliant and witty wife, Grace Burke, became a fixture in Hollywood society in the 1930s and 40s. They counted among their friends Charlie Chaplin, the Marx brothers, Anita Loos, Aldous and Maria Huxley, Walt Disney, Helen Hayes, and William Randolph Hearst. Albert Einstein, a frequent visitor to Southern California, called Hubble's work "beautiful" and modified his equations on relativity to account for the discovery that the cosmos is expanding.

The Sky is Not the Limit - Robert Barthelemy
2020-09-24

What exactly is "breakthrough leadership"?
Quite simply, it's an approach to performance

aimed at transcending limitations and maximizing team potential. As the author points out, the process of innovation and high performance is not random or haphazard. The limitations and barriers that commonly get in the way of success can be overcome-if we use the right leadership techniques. And that's just what Dr. Bart Barthelemy, one of the nation's leaders in the fields of aeronautics and astronautics, discusses in *The Sky Is Not the Limit*-leadership techniques that work, and work consistently. Barthelemy has used his years of management experience to come up with a practical, results-driven guide to leadership based on the ideas of competitive collaboration and structured flexibility. Whether you're a manager, supervisor, team leader or consultant, *The Sky Is Not the Limit* can help you achieve significant breakthroughs in performance and productivity. You can use its proven tips and techniques to lead your teams to new heights of excellence. Remember, the sky is not the limit-not for

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airplanes, not for this planet, not for our organizations and not for any of us!

The Big Bang-steady State Controversy -
Craig Sean McConnell 2000

Self-Field Theory - Tony Fleming 2011-12-20
This is the first text to be written on the topic of Self-Field Theory (SFT), a new mathematical description of physics distinct from quantum field theory, the physical theory of choice by physicists at the present time. SFT is a recent development that has evolved from the classical electromagnetics of the electron's self-fields that were studied by Abraham and Lorentz in 1903-04. Due to its bi-spinorial motions for particles and fields that obviate uncertainty, SFT is capable of obtaining closed-form solution for all atomic structures rather than the probabilistic solutions of QFT.

The Publishers Weekly - 1983

To Infinity and Beyond - Eli Maor 1991

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Eli Maor examines the role of infinity in mathematics and geometry and its cultural impact on the arts and sciences. He evokes the profound intellectual impact the infinite has exercised on the human mind--from the "horror infiniti" of the Greeks to the works of M. C. Escher; from the ornamental designs of the Moslems, to the sage Giordano Bruno, whose belief in an infinite universe led to his death at the hands of the Inquisition. But above all, the book describes the mathematician's fascination with infinity--a fascination mingled with puzzlement. "Maor explores the idea of infinity in mathematics and in art and argues that this is the point of contact between the two, best exemplified by the work of the Dutch artist M. C. Escher, six of whose works are shown here in beautiful color plates."--Los Angeles Times "[Eli Maor's] enthusiasm for the topic carries the reader through a rich panorama."--Choice "Fascinating and enjoyable.... places the ideas of infinity in a cultural context and shows how they

have been espoused and molded by mathematics."--Science

Aha! - William B. Irvine 2014-12-01

Great ideas often develop gradually after studying a problem at length--but not always. Sometimes, an insight hits like a bolt from the blue. For Archimedes, clarity struck while he was taking a bath. For Gustav Mahler, it came as the blades of his oars touched the water. And for Albert Einstein, it emerged while he was talking to a friend. Why do these moments of insight strike so suddenly? Why do they so often come to us when we are focused on something completely unrelated? And when great ideas "come to" us, where do they come from? In **Aha!**: The Moments of Insight that Shape Our World, philosopher William B. Irvine, author of *A Guide to the Good Life and On Desire*, explores these epiphanies, from the minor insights that strike us all daily, to the major realizations that alter the course of history. Focusing on aha moments as they take place in five different domains--

religion, morality, science, math, and art--Irvine provides case studies that shed light on the different ways epiphanies happen in the different domains, and on their differing social impact. Along the way, he describes some of the great aha moments in history, from ancient times to the present day. We like to think that our greatest thoughts are the product of our conscious mind. Irvine demonstrates, though, that it is our unconscious mind that is the source of our most significant insights, and that the role the conscious mind plays in eliciting these insights is to try, unsuccessfully, to solve certain problems. Only if the conscious mind is willing to do this--and thereby experience considerable frustration--is the unconscious mind likely to reward it with a breakthrough insight--that the conscious mind will then take credit for. Irvine explores not only the neuroscience of aha moments but also their personal and social ramifications. How does a person respond to having a breakthrough insight that goes against

a dominant paradigm? And how does the world respond when she shares that insight? Irvine shows that in many cases, what is most remarkable about those who have had the great insights of human history is not their but their courage and perseverance in fighting for the world to accept those insights. Aha! is a must-read for cognitive scientists, intellectual historians, philosophers, and anyone who has ever been blown away by the ideas that enlighten us when we least expect it.

Modern Cosmology and the Dark Matter

Problem - D. W. Sciama 1993

This book shows how modern cosmology has led to the idea of dark matter in the universe, and presents a new theory to explain it.

Heavy Ions in Nuclear Physics - Zdzisław Wilhelmi 1986

NASA EP. - United States. National Aeronautics and Space Administration 1968

The Cosmic Web - N. Katherine Hayles

2018-03-15

From the central concept of the field—which depicts the world as a mutually interactive whole, with each part connected to every other part by an underlying field—have come models as diverse as quantum mathematics and Saussure’s theory of language. In *The Cosmic Web*, N. Katherine Hayles seeks to establish the scope of the field concept and to assess its importance for contemporary thought. She then explores the literary strategies that are attributable directly or indirectly to the new paradigm; among the texts at which she looks closely are Robert Pirsig’s *Zen and the Art of Motorcycle Maintenance*, Nabokov’s *Invitation of a Beheading*, D. H. Lawrence’s early novels and essays, Borges’s fiction, and Thomas Pynchon’s *Gravity’s Rainbow*.

[The Red Limit](#) - Timothy Ferris 2009-10-13

For centuries, it was assumed that our universe was static. In the late 1920s, astronomers

defeated this assumption with a startling new discovery. From Earth, the light of distant galaxies appeared to be red, meaning that those galaxies were receding from us. This led to the revolutionary realization that the universe is expanding. *The Red Limit* is the tale of this discovery, its ramifications, and the passionately competitive astronomers who charted the past, present, and future of the cosmos.

Elements of Human Performance - Andries Frans Sanders 1998

This book presents a review of research on reaction processes and attention as it has evolved over the last 40 years in the context of the information processing tradition in cognitive psychology. It is argued and demonstrated that issues of reaction processes and attention are closely interconnected. Their common conceptualization can be seen in terms of limited processing capacity on the one hand, and stage analysis on the other. This volume concludes that, at present, a stage analysis metaphor offers

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better prospects as a conceptual starting point; the limited capacity metaphor was strongly tied to the digital computers of the 60s. The emphasis of the book is on behavioral research, but summaries of related findings on evoked potentials and other psychophysiological variables are included as well. From this perspective, it may be of interest to neuropsychologists who want to learn about the present state of cognitive experimental paradigms. Elements of Human Performance also addresses the question of the relationship between basic research and applications in the said areas. This is particularly urgent in view of the now common notion that the results of many simplified laboratory tasks may be artifactual and of little applied value. A back-to-back research strategy is outlined to assess the validity of basic research results for real-life tasks.

Parallel Problem Solving from Nature - PPSN VIII - Xin Yao 2004-12-16

We are very pleased to present this LNCS volume, the proceedings of the 8th International Conference on Parallel Problem Solving from Nature (PPSN VIII). PPSN is one of the most respected and highly regarded conference series in evolutionary computation and natural computing/computation. This biennial event was first held in Dortmund in 1990, and then in Bussels (1992), Jerusalem (1994), Berlin (1996), Amsterdam (1998), Paris (2000), and Granada (2002). PPSN VIII continues to be the conference of choice by researchers all over the world who value its high quality. We received a record 358 paper submissions this year. After an extensive peer review process involving more than 1100 reviews, the programme committee selected the top 119 papers for inclusion in this volume and, of course, for presentation at the conference. This represents an acceptance rate of 33%. Please note that review reports with scores only but no textual comments were not considered in the chairs' ranking decisions. The

papers included in this volume cover a wide range of topics, from evolutionary computation to swarm intelligence and from bio-inspired computing to real-world applications. They represent some of the latest and best research in evolutionary and natural computation. Following the PPSN tradition, all papers were presented as posters. There were 7 sessions: each session consisting of around 17 papers. For each session, we covered as wide a range of topics as possible so that participants with different interests would find some relevant papers at every session.

Steel Connection Analysis - Paolo Rugarli
2018-02-15

First book to discuss the analysis of structural steel connections by Finite Element Analysis—which provides fast, efficient, and flexible checking of these vital structural components. The analysis of steel structures is complex—much more so than the analysis of similar concrete structures. There are no

universally accepted rules for the analysis of connections in steel structures or the analysis of the stresses transferred from one connection to another. This book presents a general approach to steel connection analysis and check, which is the result of independent research that began more than fifteen years ago. It discusses the problems of connection analysis and describes a generally applicable methodology, based on Finite Element Analysis, for analyzing the connections in steel structures. That methodology has been implemented in software successfully, providing a fast, automatic, and flexible route to the design and analysis of the connections in steel structures. Steel Connection Analysis explains several general methods which have been researched and programmed during many years, and that can be used to tackle the problem of connection analysis in a very general way, with a limited and automated computational effort. It also covers several problems related to steel connection analysis

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automation. Uses Finite Element Analysis to discuss the analysis of structural steel connections Analysis is applicable to all connections in steel structures The methodology is the basis of the commercially successful CSE connection analysis software Analysis is fast and flexible Structural engineers, fabricators, software developing firms, university researchers, and advanced students of civil and structural engineering will all benefit from Steel Connection Analysis.

Great Events from History - Robert F. Gorman 2007

Contains essays that examine significant events in the history of the early twentieth century from 1901 to 1940, covering world politics, society and culture, literary movements, art and music, immigration, and legislation; arranged chronologically with maps, illustrations, and quotations for primary source documents.

Reflections on a Surprising Universe - Richard Conrad Dieter 2019-11-29

Reflections on a Surprising Universe takes the reader beyond the headlines of the latest scientific breakthroughs, translating complicated topics into an understandable narrative. It covers a wide array of scientific developments in clear and concise language sharing a sense of wonder felt by the author about the universe we find ourselves in. The book covers such developments as the size and expansion of the universe, black holes, gravitational waves, the relativity of spacetime, the multiverse, exoplanets and the possibility of extraterrestrial life, DNA, fundamental particles, quantum mechanics and quantum computers, all in an accessible narrative. Do you feel a sense of excitement and awe in learning about both the vastness and intricacies of the world around you? Then let Richard Dieter guide you through the unique synthesis of recent scientific discoveries and what they reveal about us.

Guide to the Archival Collections in the Niels Bohr Library - Niels Bohr Library 1994

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This volume contains a guide to the archival collections of the Niels Bohr Library at the American Institute of Physics.

Searches for the Supersymmetric Partner of the Top Quark, Dark Matter and Dark Energy at the ATLAS Experiment - Nicolas Maximilian Köhler
2019-09-13

Astrophysical observations implying the existence of Dark Matter and Dark Energy, which are not described by the Standard Model (SM) of particle physics, have led to extensions of the SM predicting new particles that could be directly produced at the Large Hadron Collider (LHC) at CERN. Based on 2015 and 2016 ATLAS proton-proton collision data, this thesis presents searches for the supersymmetric partner of the top quark, for Dark Matter, and for DarkEnergy, in signatures with jets and missing transverse energy. Muon detection is key to some of the most important LHC physics results, including the discovery of the Higgs boson and the measurement of its properties. The efficiency

with which muons can be detected with the ATLAS detector is measured using Z boson decays. The performance of high-precision Monitored Drift Tube muon chambers under background rates similar to the ones expected for the High Luminosity-LHC is studied.

Fedora 10 and Red Hat Enterprise Linux Bible - Christopher Negus 2009-04-29

As a market-leading, free, open-source Linux operating system (OS), Fedora 10 is implemented in Red Hat Enterprise Linux and serves as an excellent OS for those who want more frequent updates. Bestselling author Christopher Negus offers an ideal companion resource for both new and advanced Linux users. He presents clear, thorough instructions so you can learn how to make Linux installation simple and painless, take advantage of the desktop interface, and use the Linux shell, file system, and text editor. He also describes key system administration skills, including setting up users, automating system tasks, backing up and

restoring files, and understanding the latest security issues and threats. Included is both a DVD distribution of Fedora Linux 10 and a

bootable Fedora LiveCD. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.