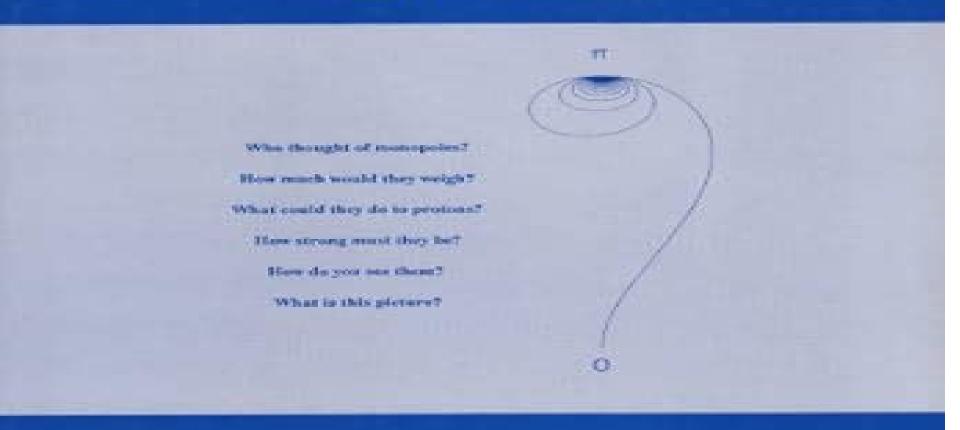
Magnetic Monopoles

Edited by Alfred S. Goldhaber and W. Peter Trower



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recognize the seminal importance of Noether's results This book is thoroughly researched and provides careful documentation of the textbook literature Kosmann Schwarzbach has thus thrown considerable light on this slow dance in which the mathematical tools necessary to study symmetry properties and conservation laws were apparently provided long before the orchestra arrives and the party begins **Nuclear Science Abstracts** ,1974-07 Nuclear Weapons. Scientists, And The Post-cold War Challenge: Selected Papers On Arms Control Sidney D Drell, 2007-01-16 This volume includes a representative selection of Sidney Drell's recent writings and speeches circa 1993 to the present on public policy issues with substantial scientific components Most of the writings deal with national security nuclear weapons and arms control and reflect the author's personal involvement in such issues dating back to 1960 Fifteen years after the demise of the Soviet Union the gravest danger presented by nuclear weapons is the spread of advanced technology that may result in the proliferation of nuclear weapons Of most concern would be their acquisition by hostile governments and terrorists who are unconstrained by accepted norms of civilized behavior The current challenges are to prevent this from happening and at the same time to pursue aggressively the opportunity to escape from an outdated nuclear deterrence trap '98 Electroweak **Interactions and Unified Theories** Jean Thanh Vân Trân, 1999 **Subject Guide to Books in Print**, 1996 Fields, Knots And Gravity John C Baez, Javier P Muniain, 1994-10-24 This is an introduction to the basic tools of mathematics needed to understand the relation between knot theory and quantum gravity. The book begins with a rapid course on manifolds and differential forms emphasizing how these provide a proper language for formulating Maxwell's equations on arbitrary spacetimes The authors then introduce vector bundles connections and curvature in order to generalize Maxwell theory to the Yang Mills equations The relation of gauge theory to the newly discovered knot invariants such as the Jones polynomial is sketched Riemannian geometry is then introduced in order to describe Einstein's equations of general relativity and show how an attempt to quantize gravity leads to interesting applications of knot theory **Probing Particle Physics** With Neutrino Telescopes Carlos Perez De Los Heros, 2019-12-23 This book introduces the reader to how fundamental topics in particle physics can be studied with the largest neutrino telescopes currently in operation Due to their large size reaching cubic kilometer volumes and their wide energy response these unusual detectors can provide insight on neutrino oscillations dark matter searches or searches for exotic particles new neutrino interactions or extra dimensions among many other topics Lacking a man made neutrino beam neutrino telescopes use the copious flux of neutrinos continuously produced by cosmic rays interacting in the Earth's atmosphere as well as neutrinos from astrophysical origin They have therefore access to neutrinos of higher energies and much longer baselines than those produced in present accelerators being able to search for new physics at complementary scales than currently available in particle physics laboratories around the world Written by carefully chosen experts in the field the book introduces each topic in a pedagogical way apt not only to professionals but also to students or the interested reader with a background in physics American Journal of Physics

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