

Arno Straessner

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# Electroweak Physics at LEP and LHC

 Springer

# Topics In Electroweak Physics

**G Psacharopoulos**



## Topics In Electroweak Physics:

**Topics In Electroweak Physics - Proceedings Of The Eleventh Lake Louise Winter Institute** Alan Astbury, Bruce A Campbell, Faqir C Khanna, James L Pinfold, 1997-04-01 The week long Lake Louise Winter Institute starts with three days of pedagogical lectures by invited speakers and the remainder of the time is for short presentations on current research topics This year the theme of the Institute was Topics in Electroweak Physics The invited lecturers were Drs E G Adelberger G Altarelli J Ellis J M Poutissou B Sadoulet and S Wojcicki

**Topics in Precision Electroweak Physics** Andrea Ferroglia, 2002

**Electroweak Physics at the LHC** Matthias U. Mozer, 2016-03-24 The book discusses the recent experimental results obtained at the LHC that involve electroweak bosons The results are placed into an appropriate theoretical and historical context The work pays special attention to the rising subject of hadronically decaying bosons with high boosts documenting the state of the art identification techniques and highlighting typical results The text is not limited to electroweak physics in the strict sense but also discusses the use of electroweak vector bosons as tool in the study of other subjects in particle physics such as determinations of the proton structure or the search for new exotic particles The book is particularly well suited for graduate students starting their thesis work on topics that involve electroweak bosons as the book provides a comprehensive description of phenomena observable at current accelerators as well as a summary of the most relevant experimental techniques

**Dynamical Symmetry Breaking in Quantum Field Theories** V. A. Miransky, 1993 The phenomenon of dynamical symmetry breaking DSB in quantum field theory is discussed in a detailed and comprehensive way The deep connection between this phenomenon in condensed matter physics and particle physics is emphasized The realizations of DSB in such realistic theories as quantum chromodynamics and electroweak theory are considered Issues intimately connected with DSB such as critical phenomena and effective lagrangian approach are also discussed *High Energy Physics 99 Proceedings of the International Europhysics Conference on High Energy Physics, Tampere, Finland, 15-21 July 1999* K Huitu, H Kurki-Suonio, J Maalampi, 2000-01-01 High Energy Physics 99 contains the 18 invited plenary presentations and 250 contributions to parallel sessions presented at the International Europhysics Conference on High Energy Physics The book provides a comprehensive survey of the latest developments in high energy physics Topics discussed include hard high energy structure functions soft interactions heavy flavor the standard model hadron spectroscopy neutrino masses particle astrophysics field theory and detector development

Literature 1997, Part 1

Astronomisches Rechen-Institut ARI, 2013-11-11 Astronomy and Astrophysics Abstracts is devoted to the recording summarizing and indexing of astronomical publications throughout the world Two volumes are scheduled to appear per year Volume 67 records 10 903 papers covering besides the classical fields of astronomy and astrophysics such matters as space flights related to astronomy lunar and planetary probes and satellites meteorites and interplanetary matter X rays and cosmic rays quasars and pulsars The abstracts are classified under more than one hundred subject categories thus permitting quick

surveying of the bulk of material published on the same topic within six months For instance this volume records 119 papers on minor planets 155 papers on supernovae and 554 papers on cosmology *Selected Topics on Electroweak Interactions, Neutrinos and QCD* Bernardo Adeva,1999 This volume provides a broad picture of the current understanding of electroweak and strong interactions according to most recent experimental results from some of the world s largest particle accelerators LEP II Tevatron HERA and SPS Special attention is given to CP violation the Higgs boson search and precision tests of the electroweak theory Although generally oriented the contributions are targeted at postgraduate students in particle physics

*Novel ideas for accelerators, particle detection and data challenges at future colliders* Alessandro Tricoli,Patrizia Azzi,Petra Merkel,Vladimir Shiltsev,2023-07-21 **High Energy Physics Index** ,1994 **Energy Research Abstracts** ,1989 **Nuclear Physics** ,2003 **Selected Topics On Electroweak Interactions, Neutrinos And Qcd: A Review Of High Energy Colliders - Proceedings Of The Xxvith International Meeting On Fundamental Physics B** Adeva,1999-11-15 This volume provides a broad picture of the current understanding of electroweak and strong interactions according to most recent experimental results from some of the world s largest particle accelerators LEP II Tevatron HERA and SPS Special attention is given to CP violation the Higgs boson search and precision tests of the electroweak thoery Although generally oriented the contributions are targeted at postgraduate students in particle physics *Application of Quantum Field Theory to Phenomenology -- RADCOR 2002* Johannes Blümlein,2003 *Application of Quantum Field Theory to Phenomenology--RADCOR* ,2003 **Selected Topics in Electroweak Interactions** Abdul N. Kamal,F. C. Khanna,1987 **Physics Letters** ,1996 **Electroweak Symmetry Breaking And New Physics At The Tev Scale** Timothy L Barklow,Sally Dawson,Howard E Haber,James L Siegrist,1997-05-05 This is an expanded version of the report by the Electroweak Symmetry Breaking and Beyond the Standard Model Working Group which was contributed to Particle Physics Perspectives and Opportunities a report of the Division of Particles and Fields Committee for Long Term Planning One of the Working Group s primary goals was to study the phenomenology of electroweak symmetry breaking and attempt to quantify the physics reach of present and future colliders Their investigations encompassed the Standard Model with one doublet of Higgs scalars and approaches to physics beyond the Standard Model These include models of low energy supersymmetry dynamical electroweak symmetry breaking and a variety of extensions of the Standard Model with new particles and interactions The Working Group also considered signals of new physics in precision measurements arising from virtual processes and examined experimental issues associated with the study of electroweak symmetry breaking and the search for new physics at present and future hadron and lepton colliders This volume represents an important contribution to the efforts being made to advance the frontiers of particle physics *Physics Briefs* ,1993 **Bulletin of the American Physical Society** American Physical Society,1991 **Topics in Electroweak Physics** Alan Astbury,1997

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