

## Referências Bibliográficas

- [1] Steven Weinberg. A Model of Leptons. *Phys. Rev. Lett.*, 19:1264–1266, 1967. 1, 2
- [2] Abdus Salam. Elementary particles. *Contemp.Phys.*, 1:337–354, 1959. 1, 2
- [3] S. L. Glashow and Steven Weinberg. Breaking chiral symmetry. *Phys. Rev. Lett.*, 20:224–227, 1968. 1, 2
- [4] A.D. Sakharov. Baryonic Asymmetry of the Universe. *Sov.Phys.JETP*, 49:594–599, 1979. 1
- [5] P. Rubin et al. Search for CP Violation in the Dalitz-Plot Analysis of  $D^\pm \rightarrow K^+K^-\pi^\pm$ . *Phys. Rev.*, D78:072003, 2008. 1, 3.2.1, 6.1, 6.3.1, 7
- [6] Nicola Cabibbo. Unitary Symmetry and Leptonic Decays. *Phys. Rev. Lett.*, 10:531–533, Jun 1963. 1, 2.3
- [7] I. Bediaga, I. I. Bigi, A. Gomes, G. Guerrer, J. Miranda, and A. C. dos Reis. On a CP Anisotropy Measurement in the Dalitz Plot. *Phys. Rev. D*, 80(9):096006, Nov 2009. 1, 3.2.2
- [8] Jeffrey Goldstone, Abdus Salam, and Steven Weinberg. Broken Symmetries. *Phys. Rev.*, 127:965–970, 1962. 2
- [9] Zoltan Kunszt. Bread and Butter Standard Model. *Phys. Rev.*, pages 101–138, 1999. 2
- [10] E.P. Wigner and (ed.) Wightman, A.S. *The Collected Works of Eugen Paul Wigner*, volume 3. Springer, 1997. 2.1.1
- [11] T.D. Lee and Chen-Ning Yang. Question of Parity Conservation in Weak Interactions. *Phys.Rev.*, 104:254–258, 1956. 2.1.1
- [12] C. S. Wu, E. Ambler, R. W. Hayward, D. D. Hoppes, and R. P. Hudson. Experimental Test of Parity Conservation in Beta Decay. *Phys. Rev.*, 105:1413–1415, Feb 1957. 2.1.1

- [13] T. D. Lee, Reinhard Oehme, and C. N. Yang. Remarks on Possible Noninvariance under Time Reversal and Charge Conjugation. *Phys. Rev.*, 106:340–345, Apr 1957. 2.1.2
- [14] M. Gell-Mann. The Interpretation of the New Particles as Displaced Charge Multiplets. *Il Nuovo Cimento (1955-1965)*, 4:848–866, 1956. 2.2
- [15] T. Nakano and K. Nishijima. Charge Independence for V-particles. *Progress of Theoretical Physics*, 10:581–582, November 1953. 2.2
- [16] Murray Gell-Mann and A. Pais. Behavior of Neutral Particles Under Charge Conjugation. *Phys.Rev.*, 97:1387–1389, 1955. 2.2
- [17] J.H. Christenson, J.W. Cronin, V.L. Fitch, and R. Turlay. Evidence for the 2 pi Decay of the  $k(2)0$  Meson. *Phys.Rev.Lett.*, 13:138–140, 1964. 2.2
- [18] S. L. Glashow, J. Iliopoulos, and L. Maiani. Weak Interactions With Lepton-Hadron Symmetry. *Phys. Rev. D*, 2(7):1285–1292, Oct 1970. 2.3
- [19] Makoto Kobayashi and Toshihide Maskawa. CP Violation in the Renormalizable Theory of Weak Interaction. *Prog.Theor.Phys.*, 49:652–657, 1973. 2.3
- [20] Ling-Lie Chau and Wai-Yee Keung. Comments on the Parametrization of the Kobayashi-Maskawa Matrix. *Phys. Rev. Lett.*, 53(19):1802–1805, Nov 1984. 2.3
- [21] Lincoln Wolfenstein. Parametrization of the Kobayashi-Maskawa Matrix. *Phys. Rev. Lett.*, 51(21):1945–1947, Nov 1983. 2.3
- [22] C. Jarlskog. Commutator of the Quark Mass Matrices in the Standard Electroweak Model and a Measure of Maximal CP Violation. *Phys.Rev.Lett.*, 55:1039, 1985. 2.3
- [23] J. J. Aubert et al. Experimental Observation of a Heavy Particle *J. Phys. Rev. Lett.*, 33:1404–1406, Dec 1974. 2.3.2
- [24] J. E. Augustin et al. Discovery of a Narrow Resonance in  $e^+e^-$  Annihilation. *Phys. Rev. Lett.*, 33:1406–1408, Dec 1974. 2.3.2
- [25] S. Bianco, F. L. Fabbri, D. Benson, and I. Bigi. A Cicerone for the Physics of Charm. *Riv. Nuovo Cim.*, 26N7:1–200, 2003. 2.3.2
- [26] Marina Artuso, Brian Meadows, and Alexey A. Petrov. Charm Meson Decays. *Ann. Rev. Nucl. Part. Sci.*, 58:249–291, 2008. 2.3.2

- [27] Yuval Grossman, Alexander L. Kagan, and Yosef Nir. New Physics and CP violation in Singly Cabibbo Suppressed D decays. *Phys. Rev.*, D75:036008, 2007. 2.3.2, 3.2.1
- [28] D. Asner. Charm Dalitz Plot Analysis Formalism and Results. *Phys. Rev.*, 2003. 3.2.1
- [29] Ti-Pei Li and Yu-quian Ma. *Astrophys. J.*, 272, 1983. 3.2.2
- [30] P.L. Frabetti et al. *Phys.Lett. B*, 351, 1995. 3.3.1
- [31] J.M. Link et al. *Phys.Lett. B*, 648, 2007. 3.3.1
- [32] P.L. Frabetti et al. *Phys.Lett. B*, 79, 1997. 3.3.2
- [33] E.M. Aitala et al. *Phys.Lett.*, 86, 2001. 3.3.2
- [34] J.M. Link et al. *Phys.Lett. B*, 585, 2004. 3.3.2
- [35] G. Bonvicini et al. Dalitz Plot Analysis of the  $D^+ \rightarrow \pi^- \pi^+ \pi^+$  Decay. *Phys.Rev.*, D76:012001, 2007. 3.3.2
- [36] (ed.) Evans, Lyndon and (ed.) Bryant, Philip. LHC Machine. *JINST*, 3:S08001, 2008. 4
- [37] K. Aamodt et al. The ALICE Experiment at the CERN LHC. *JINST*, 3:S08002, 2008. 4.1
- [38] G. Aad et al. The ATLAS Experiment at the CERN Large Hadron Collider. *JINST*, 3:S08003, 2008. 4.1
- [39] R. Adolphi et al. The CMS Experiment at the CERN LHC. *JINST*, 3:S08004, 2008. 4.1
- [40] Jr. Augusto, Alves et al. The LHCb Experiment at the CERN LHC. *JINST*, 3:S08005, 2008. 4.1
- [41] LHCb Magnet  
Technical Design Report. CERN LHC. *CERN/LHCC/2000-007*, 2000. 4.3.1
- [42] LHCb Velo Technical Design Report. CERN LHC. *CERN/LHCC/2001-011*, 2001. 4.3.2
- [43] LHCb Reoptimized Detector Design and Performance Technical Design Report. CERN LHC. *CERN/LHCC/2003-030*, 2003. 4.3.2

- [44] LHCb Inner Tracker  
Technical Design Report. CERN LHC. *CERN/LHCC/2002-029*, 2002. 4.3.2
- [45] LHCb Outer Tracker Design  
Technical Design Report. CERN LHC. *CERN/LHCC/2001-024*, 2001. 4.3.2
- [46] LHCb RICH Design  
Technical Design Report. CERN LHC. 2000. 4.4.1
- [47] LHCb Calorimeter Design  
Technical Design Report. CERN LHC. *CERN/LHCC/2000-0036*, 2000. 4.4.2
- [48] LHCb Muon Design  
Technical Design Report. CERN LHC. *CERN/LHCC/2001-010*, 2001. 4.4.3
- [49] LHCb Trigger System  
Technical Design Report. CERN LHC. *CERN/LHCC/2003-031*, 2003. 4.5
- [50] Hlt Hadronic L0 Confirmation. CERN LHC. 2001. 4.5.1
- [51] A Single Track Hlt1 Trigger. CERN LHC. 2010. 4.5.2
- [52] Vladimir V Gligorov. A Single Track HLT1 Trigger. Technical Report LHCb-PUB-2011-003. CERN-LHCb-PUB-2011-003. LHCb-INT-2010-053, CERN, Geneva, Jan 2011. 4.5.2
- [53] Andreas Hoecker, Peter Speckmayer, Joerg Stelzer, Jan Therhaag, Eckhard von Toerne, and Helge Voss. TMVA: Toolkit for Multivariate Data Analysis. *PoS, ACAT:040*, 2007. 5.4.3
- [54] Joachim Brod, Alexander L. Kagan, and Jure Zupan. On the Size of Direct CP Violation in Singly Cabibbo-Suppressed D Decays. *arXiv-hep-ph*, Nov 2011. 6.1
- [55] R. Aaij et al. Evidence for CP Violation in Time-Integrated  $D^0 \rightarrow h^- h^+$  Decay Rates. *Phys.Rev.Lett.*, 108:111602, 2012. 7