

CURRICULUM VITAE

Name: Guey-Lin Lin

Current Position: Chairman and Professor of Physics, National Chiao-Tung University, Taiwan

Education: Ph.D., 1986-1991, University of Michigan at Ann Arbor
B.S. (Physics), 1981-1984, National Taiwan University

Academic Appointments:

- Jan. 08—present Adjunct Research Fellow, Leung Center for Cosmology and Particle Astrophysics, National Taiwan University
- Aug. 00—Jul. 02 Chairman, Institute of Physics, National Chiao-Tung University
- Aug. 99—present Professor, Institute of Physics, National Chiao-Tung University
- Aug. 94—Jul. 99 Associate Professor, Institute of Physics, National Chiao-Tung University
- Oct. 91—Jul. 94 Postdoctoral Fellow, Institute of Physics, Academia Sinica, Taiwan

Honors

- 2010 Outstanding Service Award, Leung Center for Cosmology and Particle Astrophysics, National Taiwan University
- 2009 Outstanding Service Award, Leung Center for Cosmology and Particle Astrophysics, National Taiwan University
- 2008 Excellent Research Performance Award, National Chiao-Tung University
- 1995—2000 Research Awards, National Science Council, Taiwan
- 1995—1997 Excellent Young Investigator, National Science Council, Taiwan

Professional Activities:

- 2011 Lead Guest Editor, *Advances in High Energy Physics*, Hindawi Publishing Corp.
- 2010-present Executive Committee Member, Leung Center for Cosmology and Particle Astrophysics, National Taiwan University
- 2008 Chair of Organizing Committee for *21st Taiwan Spring School on Particle and Fields*, National Chiao-Tung University, Taiwan, Mar. 31—April 3, 2008
- 2006-present Institution Board Member, Daya Bay Reactor Neutrino Experiment
- 2003 Organizing Committee for *International Symposium, CosPA 2003*, Taipei, Taiwan, Nov. 13-15, 2003
- 2001 Chair of Organizing Committee for *First NCTS Workshop on Astroparticle Physics*, Kenting, Taiwan, Dec. 6-8, 2001
- 2000 Organizing Committee for *5th International Workshop on Particle Physics Phenomenology*, Chi-Pen, Taitung, Taiwan, Nov. 8—11, 2000
- 1999 Organizing Committee for *3rd International Conference on B Physics and CP violation*, Taipei, Taiwan, Dec. 3—7, 1999
- 1998 Chair of Organizing Committee for *4th International Workshop on Particle Physics Phenomenology*, Kaoshiung, Taiwan, Jun. 18—21, 1998

Ph D Students:

- 2010 Tsung-Che Liu Thesis: *High Energy Neutrino Detection and Neutrino Flavor Physics*
- 2009 Feng-Yin Chang Thesis: *Magnetowave induced Plasma Wakefield Acceleration for Ultrahigh Energy Cosmic Rays*
- 2005 Fei-Fan Lee Thesis: *Topics in Tau Neutrino Astronomy*
- 2002 Jie-Jun Tseng Thesis: *Neutrino Related Processes in Terrestrial and Astrophysical Colliders*

- 1998 Chien-Yi Ma Thesis: *Probing Flavor Changing Neutral Higgs Couplings in Future Colliders*

Selected Conference Presentations:

1. “Determination of Flavor Ratios and Flavor Transitions of Astrophysical Neutrinos”

Invited Talk Presented at Flavor Physics in the LHC Era, Nanyang Executive Centre, Singapore, 8-12 Nov 2010

2. “Determining the Flavor Ratio of Astrophysical Neutrinos” *Talk Presented at*

International Europhysics Conference on High-Energy Physics (EPS-HEP 2009), Krakow, Poland, 16-22 Jul 2009

3. “Energy Spectrum and Source Distributions of Ultrahigh Energy

Cosmic Rays”, *Invited Talk Presented at International Symposium on Cosmology and Particle Astrophysics (CosPA2008), Asia Pacific Center for Theoretical Physics, Pohang, Korea, 28 Oct.-1 Nov, 2008*

4. “Ultra High Energy Cosmic Ray Puzzle and the Plasma Wakefield Acceleration” *Talk*

Presented at Challenges in Particle Astrophysics, XXth Rencontres de Blois, 18-23 May 2008

5. “On the Prospects of Tau Neutrino Astronomy in GeV Energies and Beyond”,

Invited Talk presented at 40th Rencontres de Moriond on Very High Energy Phenomena in the Universe, La Thuile, Italy, 12-19 Mar. 2005

6. “Detecting Earth-skimming and Mountain-Penetrating Tau Neutrinos” *Talk presented at*

34th International Symposium on Multiparticle Dynamics (ISMD 2004), Rohnert Park, California, 26 Jul - 1 Aug 2004

7. “The High-Energy Galactic Tau Neutrino Flux and Its Atmospheric Background” *Talk*

Presented at International Europhysics Conference on High-Energy Physics (EPS-HEP 2003), Aachen, Germany, 15-21 Jul 2003

8. “The Technique of Inverse Mellin Transform for Processes Occurring in a Background Magnetic Field” *Talk Presented at 31st International Conference on High Energy Physics*

(ICHEP 2002), Amsterdam, The Netherlands, 24-31 Jul 2002

9. “Strong-field QED and the Inverse Mellin Transform”, *Talk given at 5th Workshop on*

Quantum Field Theory Under the Influence of External Conditions, Leipzig, Germany, 10-14 Sep 2001

10. “The Implications of $\bar{\nu}_e e^- \rightarrow W^- \gamma$ for the Detection of High-Energy $\bar{\nu}_e$ ”, *Talk Presented*

at 5th RESCEU International Symposium on New Trends in Theoretical and Observations Cosmology, Tokyo, Japan, 13-16 Nov 2001

11. “The Inclusive $B \rightarrow \eta' X_s$ Decay and $b \rightarrow sg^*$ form factors”, *Talk Presented at*

International Europhysics Conference on High-Energy Physics (EPS-HEP 99), Tampere, Finland, 15-21 Jul 1999

12. “Vilkovisky-DeWitt Effective Potential and the Higgs-Mass Bound”, *Talk Presented at*

29th International Conference on High-Energy Physics (ICHEP 98), Vancouver, Canada, 23-29 Jul 1998

13. “Probing Flavor-Changing Neutral Higgs Couplings at LHC and NLC”, *Talk Presented*

at International Europhysics Conference on High-Energy Physics (HEP 97), Jerusalem, Israel, 19-26 Aug 1997

Publication List

1. **“Determinations of flavor ratios and flavor transitions of astrophysical neutrinos”**
G. L. Lin, T. C. Liu, K. C. Lai and M. A. Huang
arXiv:1103.3774 [hep-ph]
Presented at 35th International Conference of High Energy Physics: ICHEP2010, Paris, France, July 22-28, 2010
2. **“Determining the flavor ratio of astrophysical neutrinos”**
G. L. Lin, K. C. Lai and T. C. Liu
PoS E **PS-HEP2009**, 103 (2009)
Presented at 2009 Europhysics Conference on High Energy Physics: HEP 2009 (EPS-HEP 2009), Cracow, Poland, 16-22 Jul 2009
3. **“New Parameters for Determining the Neutrino Flavor Ratio at the Astrophysical Source”**
T. C. Liu, M. A. Huang and G. L. Lin
arXiv:1004.5154 [hep-ph]
4. **“Flavor Transition Mechanisms of Propagating Astrophysical Neutrinos: A Model Independent Parametrization”**
K. C. Lai, G. L. Lin and T. C. Liu
Phys. Rev. D **82**, 103003 (2010) [arXiv:1004.1583 [hep-ph]]
5. **“Neutrino Flavor Ratio on Earth and at Astrophysical Sources”**
K. C. Lai, G. L. Lin and T. C. Liu
Prog. Part. Nucl. Phys. **64**, 420 (2010) [arXiv:1004.1030 [hep-ph]]
6. **“GeoSynchrotron Radiation from Earth Skimming Tau Neutrino Shower”**
K. C. Lai, G. L. Lin, T. C. Liu, J. Nam and C. C. Chen
arXiv:0909.1504 [astro-ph.HE]
Talk Presented at International Europhysics Conference on High-Energy Physics (EPS-HEP 2009), Krakow, Poland, 16-22 Jul 2009
7. **“Determination of the Neutrino Flavor Ratio at the Astrophysical Source”**
K. C. Lai, G. L. Lin and T. C. Liu
Phys. Rev. D **80**, 103005 (2009) [arXiv:0905.4003 [hep-ph]]
8. **“The FLASH thick-target experiment”**
R. Abbasi *et al.* [FLASH Collaboration]
Nucl. Instrum. Meth. A **597**, 37 (2008)
9. **“Techniques of the FLASH thin target experiment”**
R. Abbasi *et al.* [FLASH Collaboration]
Nucl. Instrum. Meth. A **597**, 32 (2008)
10. **“A New Type of Plasma Wakefield Accelerator Driven by Magnetowaves”**
P. Chen, F. Y. Chang, G. L. Lin, R. J. Noble and R. Sydora
Plasma Phys. Control. Fusion **51**, 024012 (2009) arXiv:0808.3036 [physics.acc-ph]
11. **“Ultra High Energy Cosmic Ray Puzzle and the Plasma Wakefield Acceleration”**
F. Y. Chang, P. Chen, G. L. Lin, R. J. Noble, K. Reil and R. Sydora
arXiv:0808.0223 [astro-ph]
Talk Presented at Challenges in Particle Astrophysics, XXth Rencontres de Blois, 18-23 May 2008

12. **“GZK Horizons and the Anisotropy of Highest-energy Cosmic Ray Sources”**
 C. C. Lu and G. L. Lin
 arXiv:0807.3391 [astro-ph]
Talk Presented at Challenges in Particle Astrophysics, XXth Rencontres de Blois, 18-23 May 2008
13. **“GZK Horizons and the Recent Pierre Auger Result on the Anisotropy of Highest-energy Cosmic Ray Sources”**
 C. C. Lu and G. L. Lin
 arXiv:0804.3122 [astro-ph]
14. **“Magnetowave Induced Plasma Wakefield Acceleration for Ultra High Energy Cosmic Rays”**
 F. Y. Chang, P. Chen, G. L. Lin, R. Noble and R. Sydora
 Phys. Rev. Lett. **102**, 111101 (2009) [arXiv:0709.1177 [astro-ph]]
15. **“Air fluorescence measurements in the spectral range 300-420 nm using a 28.5 GeV electron beam”**
 R. Abbasi *et al.*
 Astropart. Phys. **29**, 77 (2008) [arXiv:0708.3116 [astro-ph]]
16. **“Laboratory astrophysics in Taiwan”**
 G. L. Lin, T. C. Liu, M. A. Huang, W. Y. P. Hwang and C. C. Chen
 Int. J. Mod. Phys. B **21**, 378 (2007)
Prepared for ICFA 38th Advanced Beam Dynamics and 9th Advanced & Novel Accelerators Joint Workshop on Laser-Beam Interactions and Laser and Plasma Accelerators (4th LBI Workshop and 7th LPA Workshop jointly held in celebrating the United Nations Int. Year of Phys.), Taipei, Taiwan, 12-16 Dec 2005
17. **“A precision measurement of the neutrino mixing angle θ_{13} using reactor antineutrinos at Daya Bay”**
 X. Guo *et al.* [Daya-Bay Collaboration]
 arXiv:hep-ex/0701029
 BNL-77369-2006-IR(2007)
18. **“Probing the octant of θ_{23} with very long baseline neutrino oscillation experiments: A global look”**
 G. L. Lin and Y. Umeda
 arXiv:hep-ph/0612309
19. **“Introduction To The Salsa, A SaltDome Shower Array As A Gzk Neutrino Observatory”**
 D. Saltzberg *et al.*
 Int. J. Mod. Phys. A **21S1**, 252 (2006)
Prepared for International Workshop on Acoustic and Radio EeV Neutrino Detection Activities (ARENA 05), Zeuthen, Germany, 17-19 May 2005
20. **“Comparison of air fluorescence and ionization measurements of E.M. shower depth profiles: test of a UHECR detector technique”**
 J. Belz *et al.*
 Astropart. Phys. **25**, 57 (2006) [arXiv:astro-ph/0510375]
21. **“Measurement of Pressure Dependent Fluorescence Yield of Air: Calibration Factor for UHECR Detectors”**
 J. W. Belz *et al.* [FLASH Collaboration]
 Astropart. Phys. **25**, 129 (2006) [arXiv:astro-ph/0506741]
22. **“On the prospects of tau neutrino astronomy in GeV energies and beyond”**
 H. Athar, F. F. Lee and G. L. Lin
 arXiv:hep-ph/0505248
Talk given at 40th Rencontres de Moriond on Very High Energy Phenomena in the Universe, La Thuile, Italy, 12-19 Mar 2005

23. **“The matter effects to neutrino oscillations $\nu_\mu \rightarrow \nu_e$, ν_μ at very long baselines and the neutrino mixing angles θ_{13} and θ_{23} ”**
 G. L. Lin and Y. Umeda
 arXiv:hep-ph/0505009
24. **“Detecting earth-skimming and mountain-penetrating tau neutrinos”**
 G. L. Lin
 Acta Phys. Polon. B **36**, 519 (2005)
Prepared for 34th International Symposium on Multiparticle Dynamics (ISMD 2004), Rohnert Park, California, 26 Jul - 1 Aug 2004
25. **“Measurements Of The Fluorescence Light Yield In Electromagnetic Showers”**
 K. Reil *et al.*
In the Proceedings of 22nd Texas Symposium on Relativistic Astrophysics at Stanford University, Stanford, California, 13-17 Dec 2004, pp 2417
 SLAC-PUB-11068(2004)
Presented at 22nd Texas Symposium on Relativistic Astrophysics at Stanford University, Stanford, California, 13-17 Dec 2004
26. **“A Semi-analytic calculation on the atmospheric tau neutrino flux in the GeV to TeV range”**
 F. F. Lee and G. L. Lin
 Astropart. Phys. **25**, 64 (2006) [arXiv:hep-ph/0412383]
27. **“What do we mean by detecting Earth-skimming neutrinos?”**
 G. L. Lin
 Mod. Phys. Lett. A **19**, 1125 (2004)
Prepared for 2003 International Symposium on Cosmology and Particle Astrophysics (CosPA 2003), Taipei, Taiwan, 13-15 Nov 2003
28. **“PeV cosmic neutrinos from the mountains”**
 P. Yeh *et al.* [NuTel Collaboration]
 Mod. Phys. Lett. A **19**, 1117 (2004)
Prepared for 2003 International Symposium on Cosmology and Particle Astrophysics (CosPA 2003), Taipei, Taiwan, 13-15 Nov 2003
29. **“Cosmology and particle astrophysics. Proceedings, International Symposium, CosPA 2003, Taipei, Taiwan, November 13-15, 2003”**
 W. Y. P. Hwang, G. L. P. Lin and J. H. P. Wu
 Mod. Phys. Lett. A **19** (2004) 941-1250
30. **“Tau neutrino astronomy in GeV energies”**
 H. Athar, F. F. Lee and G. L. Lin
 Phys. Rev. D **71**, 103008 (2005) [arXiv:hep-ph/0407183]
31. **“Energy fluctuation of tau leptons emerging from Earth”**
 M. A. Huang, J. J. Tseng and G. L. Lin
Prepared for 28th International Cosmic Ray Conferences (ICRC 2003), Tsukuba, Japan, 31 Jul - 7 Aug 2003
32. **“Tau leptons from earth skimming tau neutrinos”**
 J. J. Tseng, T. W. Yeh, H. Athar, M. A. Huang, F. F. Lee and G. L. Lin
Prepared for International Workshop on Astroparticle and High-Energy Physics (AHEP-2003), Valencia, Spain, 14-18 Oct 2003
33. **“The high-energy galactic tau neutrino flux and its atmospheric background”**
 H. Athar, K. Cheung, G. L. Lin and J. J. Tseng
 Eur. Phys. J. C **33**, S959 (2004) [arXiv:astro-ph/0311586]
34. **“High energy tau neutrinos: Production, propagation and prospects of observations”**
 H. Athar, J. J. Tseng and G. L. Lin

arXiv:hep-ph/0308270

Talk given at 28th International Cosmic Ray Conferences (ICRC 2003), Tsukuba, Japan, 31 Jul - 7 Aug 2003, proceedings edited by T. Kajita, et al. pp. 1431-1434

35. **“Comparison of high-energy galactic and atmospheric tau neutrino flux”**
H. Athar, K. Cheung, G. L. Lin and J. J. Tseng
Prepared for 2002 International Symposium on Cosmology and Particle Astrophysics (CosPA 2002), Taipei, Taiwan, 31 May - 2 Jun 2002
36. **“The energy spectrum of tau leptons induced by the high energy Earth-skimming neutrinos”**
J. J. Tseng, T. W. Yeh, H. Athar, M. A. Huang, F. F. Lee and G. L. Lin
Phys. Rev. D **68**, 063003 (2003) [arXiv:astro-ph/0305507]
37. **“Galactic High-Energy Cosmic-Ray Tau-Neutrino Flux”**
H. Athar, K. Cheung, G. L. Lin and J. J. Tseng
Prepared for 1st NCTS Workshop on Astroparticle Physics, Kenting, Taiwan, 6-9 Dec 2001
38. **“Astroparticle Physics. Proceedings, 1st Ncts Workshop, Kenting, Taiwan, December 6-8, 2001”**
H. Athar, G. L. Lin and K. W. Ng
Prepared for 1st NCTS Workshop on Astroparticle Physics, Kenting, Taiwan, 6-9 Dec 2001
39. **“Particle physics phenomenology. Proceedings, 4th International Workshop, Kaohsiung, Taiwan, June 18-21, 1998”**
H. Y. Cheng, W. S. Hou, H. N. Li and G. L. Lin
Prepared for 4th International Workshop on Particle Physics Phenomenology, Kaohsiung, Taiwan, 18-21 Jun 1998
40. **“The technique of inverse Mellin transform for processes occurring in a background magnetic field”**
G. L. Lin
arXiv:hep-ph/0210344
Presented at 31st International Conference on High Energy Physics (ICHEP 2002), Amsterdam, The Netherlands, 24-31 Jul 2002
41. **“On non hadronic origin of high energy neutrinos”**
H. Athar and G. L. Lin
arXiv:hep-ph/0203265
NCTU-HEP-0203(2002)
Talk given at 1st NCTS Workshop on Astroparticle Physics, Taiwan, 6-9 Dec 2001
42. **“Strong-field QED and the inverse Mellin transform”**
G. L. Lin
arXiv:hep-th/0202061
NCTU-HEP-0202(2002)
Talk given at 5th Workshop on Quantum Field Theory Under the Influence of External Conditions, Leipzig, Germany, 10-14 Sep 2001
43. **“The implications of $\bar{\nu}_e e^- \rightarrow W^- \gamma$ for the detection of high-energy $\bar{\nu}_e$ ”**
H. Athar and G. L. Lin
arXiv:hep-ph/0201026
NCTU-HEP-0201(2002)
Presented at 5th RESCEU International Symposium on New Trends in Theoretical and Observations Cosmology, Tokyo, Japan, 13-16 Nov 2001
44. **“High-energy cosmic-ray tau neutrino flux from the Milky Way”**
H. Athar, K. m. Cheung, G. L. Lin and J. J. Tseng
Astropart. Phys. **18**, 581 (2003) [arXiv:hep-ph/0112222]

45. **“Particle physics phenomenology. Proceedings, 5th International Workshop, Chi-Pen, Taitung, Taiwan, November 8-11, 2000”**
H. N. Li, W. M. Zhang and G. L. Lin
Prepared for 5th International Workshop on Particle Physics Phenomenology, Chi-Pen, Taitung, Taiwan, 8-11 Nov 2000
46. **“On analytic properties of the photon polarization function in a background magnetic field”**
W. F. Kao, G. L. Lin and J. J. Tseng
Phys. Lett. B **522**, 257 (2001) [Erratum-ibid. B **541**, 411 (2002)] [arXiv:hep-ph/0109002]
47. **“Implications of $\bar{\nu}_e e^- \rightarrow W^- \gamma$ for high-energy $\bar{\nu}_e$ observation”**
H. Athar and G. L. Lin
Astropart. Phys. **19**, 569 (2003) [arXiv:hep-ph/0108204]
48. **“Muon pair production by electron photon scatterings”**
H. Athar, G. L. Lin and J. J. Tseng
Phys. Rev. D **64**, 071302 (2001) [arXiv:hep-ph/0104185]
49. **“Phenomenology of Higgs bosons in the Zee-model”**
S. Kanemura, T. Kasai, G. L. Lin, Y. Okada, J. J. Tseng and C. P. Yuan
Phys. Rev. D **64**, 053007 (2001) [arXiv:hep-ph/0011357]
50. **“The dispersive approach to electroweak processes in the background magnetic field”**
G. L. Lin
Int. J. Mod. Phys. A **16S1C**, 1238 (2001) [arXiv:hep-ph/0011090]
Talk given at DPF 2000: The Meeting of the Division of Particles and Fields of the American Physical Society, Columbus, Ohio, 9-12 Aug 2000
51. **“Another look at charged Higgs boson production at LEP”**
S. Kanemura, T. Kasai, G. L. Lin, Y. Okada, J. J. Tseng and C. P. Yuan
arXiv:hep-ph/0010233
MSUAEP-01016(2000)
52. **“A new look at the pair-production width in a strong magnetic field”**
W. F. Kao, G. L. Lin and J. J. Tseng
Phys. Lett. B **495**, 105 (2000) [arXiv:hep-ph/0008240]
53. **“The weak-field expansion for processes in a homogeneous background magnetic field”**
T. K. Chyi, C. W. Hwang, W. F. Kao, G. L. Lin, K. W. Ng and J. J. Tseng
Phys. Rev. D **62**, 105014 (2000) [arXiv:hep-th/9912134]
54. **“The inclusive $B \rightarrow \eta' X_s$ decay and $b \rightarrow sg^*$ form factors”**
G. L. Lin
arXiv:hep-ph/9910467
Presented at International Europhysics Conference on High-Energy Physics (EPS-HEP 99), Tampere, Finland, 15-21 Jul 1999
55. **“Neutrino photon scattering and its crossed processes in a background magnetic field”**
T. K. Chyi, C. W. Hwang, W. F. Kao, G. L. Lin, K. W. Ng and J. J. Tseng
Phys. Lett. B **466**, 274 (1999) [arXiv:hep-ph/9907384]
56. **“Probing flavor-changing neutral Higgs couplings at LHC and NLC”**
G. L. Lin
Given at International Europhysics Conference on High-Energy Physics (HEP 97), Jerusalem, Israel, 19-26 Aug 1997
57. **“Perturbative QCD study of the $B \rightarrow K^* \gamma$ decay”**
H. n. Li and G. L. Lin
Phys. Rev. D **60**, 054001 (1999) [arXiv:hep-ph/9812508]

58. **“ $B \rightarrow \eta' X_s$ in the standard model”**
 X. G. He and G. L. Lin
 arXiv:hep-ph/9812248
Presented at Workshop on CP Violation, Adelaide, Australia, 3-8 Jul 1998
59. **“Vilkovisky-DeWitt effective potential and the Higgs-mass bound”**
 G. L. Lin and T. K. Chyi
 arXiv:hep-ph/9811319
 NCTU-HEP-9805(1998)
Presented at 29th International Conference on High-Energy Physics (ICHEP 98), Vancouver, Canada, 23-29 Jul 1998
60. **“Gauge independent effective potential and the Higgs mass bound”**
 G. L. Lin and T. K. Chyi
 Phys. Rev. D **60**, 016002 (1999) [arXiv:hep-ph/9811213]
61. **“ $B \rightarrow \eta' X_s$ in the standard model”**
 X. G. He and G. L. Lin
 Phys. Lett. B **454**, 123 (1999) [arXiv:hep-ph/9809204]
62. **“Flavor changing neutral Higgs couplings and top charm production at next linear collider”**
 W. S. Hou, G. L. Lin and C. Y. Ma
 Phys. Rev. D **56**, 7434 (1997) [arXiv:hep-ph/9708228]
63. **“Like sign top pair production at LHC”**
 G. L. Lin
 arXiv:hep-ph/9705424
 NCTU-TH-97-02(1996)
Invited talk at 3rd International Workshop on Particle Physics Phenomenology, Taipei, Taiwan, 14-17 Nov 1996
64. **“QCD corrections to $b \rightarrow s\gamma\gamma$ and exclusive $B_s \rightarrow \gamma\gamma$ decay”**
 C. H. Chang, G. L. Lin and Y. P. Yao
 Phys. Lett. B **415**, 395 (1997) [arXiv:hep-ph/9705345]
65. **“Probing flavor changing neutral Higgs couplings at LHC”**
 W. S. Hou, G. L. Lin, C. Y. Ma and C. P. Yuan
 Phys. Lett. B **409**, 344 (1997) [arXiv:hep-ph/9702260]
66. **“Like sign top quark pair production at linear colliders”**
 W. S. Hou and G. L. Lin
 Phys. Lett. B **379**, 261 (1996) [arXiv:hep-ph/9510359]
67. **“ $1/M$ corrections to couplings in heavy hadron chiral perturbation theory”**
 G. L. Lin
 Chin. J. Phys. **34**, 1056 (1996)
Prepared for 1st Joint JINR - ROC Workshop on Intermediate-Energy and High-Energy Physics, Dubna, Russia, 26-28 Jun 1995
68. **“Light front heavy quark effective theory and heavy meson bound states”**
 C. Y. Cheung, W. M. Zhang and G. L. Lin
 Phys. Rev. D **52**, 2915 (1995) [arXiv:hep-ph/9505232]
69. **“Heavy quark effective theory on the light front”**
 W. M. Zhang, G. L. Lin and C. Y. Cheung
 Int. J. Mod. Phys. A **11**, 3297 (1996) [arXiv:hep-ph/9412394]
70. **“Effective Lagrangian approach to weak radiative decays of heavy hadrons”**
 H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
 Phys. Rev. D **51**, 1199 (1995) [arXiv:hep-ph/9407303]

71. **“Corrections to chiral dynamics of heavy hadrons: SU(3) symmetry breaking”**
H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
Phys. Rev. D **49**, 5857 (1994) [Erratum-ibid. D **55**, 5851 (1997)] [arXiv:hep-ph/9312304]
72. **“Subleading Corrections To Semileptonic Lambda(C) Decays”**
G. L. Lin and T. Mannel
Phys. Lett. B **321**, 417 (1994) [arXiv:hep-ph/9311327]
73. **“Corrections to chiral dynamics of heavy hadrons. 1. 1/M correction”**
H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
Phys. Rev. D **49**, 2490 (1994) [arXiv:hep-ph/9308283]
74. **“Heavy Quark And Chiral Symmetry Predictions For Semileptonic Decays Anti-B \rightarrow D (D*) Pi Lepton Anti-Neutrino”**
H. Y. Cheng, C. Y. Cheung, W. Dimm, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
Phys. Rev. D **48**, 3204 (1993) [arXiv:hep-ph/9305340]
75. **“Heavy top quark effects in vertices with light external fermions”**
G. L. Lin, H. Steger and Y. P. Yao
Phys. Rev. D **49**, 2414 (1994) [arXiv:hep-ph/9304207]
76. **“Heavy quark symmetry and chiral dynamics in the meson sector”**
G. L. Lin
Chin. J. Phys. **31**, 453 (1993)
Invited talk at Workshop on Particle Physics Phenomenology, Kenting, Taiwan, May 22-24, 1992
77. **“Chiral Lagrangians for radiative decays of heavy hadrons”**
H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
Phys. Rev. D **47**, 1030 (1993) [arXiv:hep-ph/9209262]
78. **“Heavy flavor conserving nonleptonic weak decays of heavy baryons”**
H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin, T. M. Yan and H. L. Yu
Phys. Rev. D **46**, 5060 (1992)
79. **“Heavy Top Effects In The Standard Electroweak Model”**
G. L. Lin
UMI-91-35635()
PhD thesis, University of Michigan, 1991
80. **“Heavy Quark Symmetry and Chiral Dynamics”**
T. M. Yan, H. Y. Cheng, C. Y. Cheung, G. L. Lin, Y. C. Lin and H. L. Yu
Phys. Rev. D **46**, 1148 (1992) [Erratum-ibid. D **55**, 5851 (1997)]
81. **“Nonlinear realization of heavy fermions: Heavy top effects in bosonic vertices”**
G. L. Lin, H. Steger and Y. P. Yao
Phys. Rev. D **44**, 2139 (1991)
82. **“Top Quark Mass and the Decay $B_s \rightarrow \gamma\gamma$ ”**
G. L. Lin, J. Liu and Y. P. Yao
Mod. Phys. Lett. A **6**, 1333 (1991)
83. **“Top Quark Mass Dependence of the Decay $B_s \rightarrow \gamma\gamma$ In The Standard Electroweak Model”**
G. L. Lin, J. Liu and Y. P. Yao
Phys. Rev. D **42**, 2314 (1990)
84. **“Flavor Changing Two Photon Decay”**
G. L. Lin, J. Liu and Y. P. Yao
Phys. Rev. Lett. **64**, 1498 (1990)