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研究領域

理論高能物理、粒子現象學

Chong-Chung Lih

發表論文

期刊論文：

1. C. H. Chen*, C. Q. Geng and C. C. Lih ,”*T-violating muon polarization in $K^+ \rightarrow \mu^+ \nu \gamma$* ”, Phys. Rev. D56 (1998 Dec.) 6856-6865. (IF:4.864)
2. C. Q. Geng ,C. C. Lih* , Wei-Min Zhang , “*Radiative Leptonic B Decays in Light-Front Model*”, Phys. Rev D57 (1998 Jun.), 5697-5702 . (IF:4.864)
3. C. Q. Geng ,C. C. Lih* and T. H. Wu ,” *τ polarization asymmetries in $B^+ \rightarrow \tau^+ \mu \gamma$ and $B_c^+ \rightarrow \tau^+ \nu \tau \gamma$* ”, Phys. Rev. D 60 (1999) 054002. (IF:4.864)
4. C. C. Lih* ,C. Q. Geng and Wei-Min Zhang ,”*Study of $B_c^+ \rightarrow l^+ \nu_l \gamma$ Decay in the Light Front Model*”, Phys. Rev. D59 (1999) 114002. (IF:4.864)
5. C. Q. Geng ,C. C. Lih* and C. C. Liu ,”*Study of $K_L \rightarrow \gamma \nu \nu$* ” Phys. Rev. D62 (2000) 034019. (IF:4.864)
6. C. Q. Geng, C. C. Lih*, and Wei-Min Zhang ,” *Study of $B_{\{s,d\}} \rightarrow l^+ l \gamma$ Decays*” Phys. Rev. D62 (2000) 074017. (IF:4.864)
7. C. Q. Geng, C. C. Lih* and Wei-Min Zhang ,” *Study of Radiative Leptonic D Meson Decays*”, Mod. Phys. Lett. A 15 (2000) 2087. (IF:1.338)
8. C. Q. Geng, C. W. Hwang, C. C. Lih* and W. M. Zhang, ” *Mesonic Tensor Form Factors with Light Front Quark Model* ” Phys.Rev. D64 (2001) 114024. (IF:4.864)
9. C. Q. Geng and C. C. Lih*, “ *τ Radiative Decays in Light Front Quark Model*” Phys. Rev. D 68 (2003) 093001. (IF:4.864)
10. Xiao-Gang He*, Tong Li, Xue-Qian Li and C. C. Lih, “*Photoproduction and Radiative Decay of Spin 1/2 and 3/2 Pentaquarks*”, Phys. Rev. D71(2005) 014006. (IF:4.864)
11. C. H. Chen, C. Q. Geng, C. C. Lih and C. C. Liu*, “*Study of $B \rightarrow K_0^*(1430) l l$ Decays*” Phys. Rev. D 75 (2007) 074010. (IF:4.864)
12. C. H. Chen, C. Q. Geng, C. C. Lih*, “*Analysis of $K^+ \rightarrow e^+ \nu \gamma$ in light-front quark model and chiral perturbation theory of order p^6* ”, Phys. Rev. D 77. (2008) 014004. (IF:4.864)
13. C. Q. Geng and C. C. Lih*, “*Decay Spectrum of $K^+ \rightarrow e^+ \nu \gamma$* ”, Int. J. Mod. Phys. A 23. (2008) 3204. (IF:1.086)
14. Chuan-Hung Chen, Chao-Qiang Geng, and Chong-Chung Lih*, “*Study of Radiative Pion Decay*”, Phys. Rev. D 83. (2011) 074001. (IF:4.864)
15. Chong-Chung Lih, “*Study of π^0 and η decays containing dilepton*”, J. Phys.

Chong-Chung Lih

G 38 (2011) 065001. (IF:2.838)

16. Chong-Chung Lih* and Chao-Qiang Geng, “ $\pi^0 \rightarrow \gamma^* \gamma$ transition form factor within Light Front Quark Model”, Phys. Rev. C. 85 (2012) 018201. (IF:3.881)
17. Chao-Qiang Geng and Chong-Chung Lih*, “Study of pseudoscalar transition form factors within light-front quark model”, Phys. Rev. C86 (2012) 038201. (IF:3.881)
18. Chao-Qiang Geng and Chong-Chung Lih, “Form factors of η_c in light front quark model”, Eur. Phys. J. C73 (2013) 2505. (IF:5.463)
19. Y. K. Hsiao, C. C. Lih and C. Q. Geng, “Semileptonic $B^- \rightarrow f_0(1710, 1500, 1370) e^- \nu_e$ decays”, Phys. Rev. D89 (2014) 077501. (IF:4.864)
20. Chao-Qiang Geng and Chong-Chung Lih, “Semidileptonic decays of the light vector mesons in the light-front quark model”, Phys. Rev. C89 (2014) 065205. (IF:3.881)
21. Y. K. Hsiao, P. Y. Lin, C. C. Lih, and C. Q. Geng, “Charmful two-body anti-triplet b-baryon decays”, Phys. Rev. D92 (2015) 114013. (IF:4.864)

研討會論文

1. C. Q. Geng and C. C. Lih, “Lepton Asymmetries in $B_{u,c}^+ \rightarrow l^+ \nu_l \gamma$ ”, in Proceedings of the Of the Fourth International workshop on Particle Physics Phenomenology, June 18 - June 21, (1998), National Sun Yat – Sen University, Taiwan.
2. C. Q. Geng, C. W. Hwang, C. C. Lih, W. M. Zhang. "Mesonic Tensor Form Factors with Light Front Quark Model" in Proceedings of the "International Conference on Flavor Physics", edited by Yue-Liang Wu (World Scientific Publishing Co. 2001) 2001.
3. C. Q. Geng, C. C. Lih, “Decay spectrum of $K^+ \rightarrow e^+ \nu_e \gamma$ ” 4th International Conference on Flavor Physics (ICFP2007) 2007, Beijing China.
4. C. Q. Geng, C. C. Lih, “Study π^0 to lepton pair decays in light front quark model”, The 6th Joint meeting of Chinese physicists worldwide (OCPA6) 2009, Lanzhou China.
5. C. Q. Geng, C. C. Lih, “Pion transition form factor in the light front quark model” 5th International Conference on Flavor Physics (ICFP2009) 2009, Hanoi.
6. Chong-Chung Lih and Chao-Qiang Geng, “The light pseudoscalar meson

Chong-Chung Lih

- transition form factor*”, 36th International Conference on High Energy Physics (ICHEP 2012) 2012, Melbourne Australia.
7. C. Q. Geng, C. C. Lih, “*Form factors of η , η' and η_c in light front quark model*” in Posted of the "The International Workshop on Particle Physics and Cosmology after Higgs and Planck (CQUPT)" (2013), Chongqing China.
 8. C. C. Lih, “*The $B \rightarrow f_0(1710, 1500, 1370) e \bar{\nu}$ decays with glueball*” 20 th International Summer Institute on Phenomenology of Elementary Particles and Cosmology (SI2014), Fuji-Yoshida Japan.
 9. C. C. Lih, “*Semi-dilepton decays of ψ and ω meson in the light-front*” 第3屆兩岸清華粒子物理宇宙學研討會(2014), Xi'an China.
 10. C. C. Lih, “*Decay constants of vector and tensor meson*” 第十六屆全國中高能核物理大會(2015), 大陸重慶.
 11. Chong-Chung Lih, “*Study of vector and tensor meson decay constants in light-front quark model*”, The 14th International Conference on Meson-Nucleon Physics and the Structure of the Nucleon, July 25-30 2016 Kyoto, Japan