

Publication List

Chi-Jen David Lin

December 2022

Journal papers

1. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“*Sp(2N) Yang-Mills theories on the lattice: scale setting and topology*”,
arXiv:2205.09364 [hep-lat],
Phys. Rev. **D106** (2022) 9, 094503
2. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“*Color dependence of the topological susceptibility in Yang-Mills theories*”,
arXiv:2205.092546 [hep-lat],
Phys. Lett. **B835** (2022) 137504
3. E. Bennett, D.-K. Hong, H. Hsiao, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Mesiti, M. Piai, D. VDACCHINO,
“*Lattice studies of the Sp(4) gauge theory with two fundamental and three antisymmetric Dirac fermions*”,
arXiv:2202.05516 [hep-lat],
Phys. Rev. **D106** (2022) 1, 014501
4. W. Detmold, A.V. Grebe, I. Kanamori, C.-J.D. Lin, S. Mondal, R.J. Perry, Y. Zhao,
“*Parton physics from a heavy-quark operator product expansion: Lattice QCD calculation of the second moment of the pion distribution amplitude*”,
arXiv:2109.15241,
Phys. Rev. **D105** (2022) 3, 034506
5. W. Detmold, A.V. Grebe, I. Kanamori, C.-J.D. Lin, R.J. Perry, Y. Zhao,
“*Parton physics from a heavy-quark operator product expansion: Formalism and Wilson coefficients*”,
arXiv:2103.09529 [hep-lat],
Phys. Rev. **D104** (2021) 7, 074511
6. E. Bennett, J. Holligan, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“*Glueballs and strings in Sp(2N) Yang-Mills theories*”,

- arXiv:2010.15781 [hep-lat]**,
Phys. Rev. **D103** (2021) 5, 054509
7. E. Bennett, J. Holligan, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“Color dependence of tensor and scalar glueball masses in Yang-Mills theories”,
arXiv:2004.11063 [hep-lat],
Phys. Rev. **D102** (2020) 011501 (Rapid Communication)
8. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Mesiti, M. Piai, J. Rantaharju, D. VDACCHINO,
“ $Sp(4)$ gauge theories on the lattice: quenched fundamental and antisymmetric fermions”,
arXiv:1912.06505 [hep-lat],
Phys. Rev. **D101** (2020) 074516
9. S. Aoki *et al.*,
“FLAG review 2019”,
arXiv:1902.08191 [hep-lat],
Eur. Phys. J. **C80** (2020) no. 2, 113
10. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“ $Sp(4)$ gauge theory on the lattice: $N_f = 2$ fundamental fermions”,
arXiv:1909.12662 [hep-lat],
JHEP **1912** (2019) 05
11. M.C. Bañuls, K. Cichy, Y.-J. Kao, C.-J.D. Lin, Y.-P. Lin, D.T-L. Tan,
“Phase structure of the 1+1 dimensional Thirring model from matrix product states”,
arXiv:1908.04536 [hep-lat],
Phys. Rev. **D100** (2019) 094504
12. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin,
“Finite-size scaling for four-dimensional Higgs-Yukawa model near the Gaussian fixed point”,
arXiv:1811.05667 [hep-lat],
JHEP **1901** (2019) 110
13. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“ $Sp(4)$ gauge theory on the lattice: towards $SU(4)/Sp(4)$ composite Higgs (and beyond)”,
arXiv:1712.04220 [hep-lat],
JHEP **1803** (2018) 185
14. S. Aoki *et al.*,
“Review of lattice results concerning low-energy particle physics”,

- arXiv:1607.00299 [hep-lat]**,
Eur. Phys. J. **C77** (2017) no.2, 112
15. A. Athenodorou, E. Bennett, G. Bergner, D. Elander, C.-J.D. Lin, B. Lucini, M. Piai,
“*Large mass hierarchies from strongly-coupled dynamics*”,
arXiv:1605.04258 [hep-th],
JHEP **1606** (2016) 114
 16. C.-J.D. Lin, K. Ogawa, A. Ramos
“*The Yang-Mills gradient flow and SU(3) gauge theory with 12 massless fundamental fermions in a colour-twisted box*”,
arXiv:1510.05755 [hep-lat],
JHEP **1512** (2015) 103
 17. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin, A. Nagy
“*A lattice study of a chirally invariant Higgs–Yukawa model including a higher dimensional Φ^6 term*”,
arXiv:1501.05440 [hep-lat],
Phys. Lett. **B744** (2015) 146
 18. W. Detmold, C.-J.D. Lin, S. Meinel, M. Wingate,
“ *$\Lambda_b \rightarrow pl^- \bar{\nu}$ form factors from lattice QCD with static b quarks*”,
arXiv:1306.0446 [hep-lat],
Phys. Rev. **D88** (2013) 014512
 19. W. Detmold, C.-J.D. Lin, S. Meinel, M. Wingate,
“ *$\Lambda_b \rightarrow \Lambda l^+ l^-$ form factors and differential branching fraction from lattice QCD*”,
arXiv:1212.4827 [hep-lat],
Phys. Rev. **D87** (2013) 074502
 20. J. Bulava, P. Gerhold, K. Jansen, J. Kallarackal, B. Knippschild, C.-J.D. Lin, K.-I. Nagai, A. Nagy, K. Ogawa,
“*Higgs-Yukawa models in chirally-invariant lattice field theory*”,
arXiv:1210.1798 [hep-lat],
Adv. High Energy Phys. **2013** (2013) 875612
 21. C.-J.D. Lin, K. Ogawa, H. Ohki, E. Shintani
“*Lattice study of infrared behaviour of SU(3) gauge theory with twelve massless flavours*”,
arXiv:1205.6076 [hep-lat],
JHEP **1208** (2012) 096
 22. W. Detmold, C.-J.D. Lin, S. Meinel,
“*Calculation of the heavy-hadron axial couplings g_1 , g_2 and g_3 using lattice QCD.*”,
arXiv:1203.3378 [hep-lat],
Phys. Rev. **D85** (2012) 114508

23. C. Aubin, C.-J.D. Lin, A. Soni,
“Possible lattice approach to $B \rightarrow D\pi(K)$ matrix elements”,
arXiv:1111.4686 [hep-lat],
 Phys. Lett. **B710** (2012) 164
24. W. Detmold, C.-J.D. Lin, S. Meinel,
“Axial couplings and strong decay widths of heavy hadrons”,
arXiv:1109.2480 [hep-lat],
 Phys. Rev. Lett. **108** (2012) 172003
25. W. Detmold, C.-J.D. Lin, S. Meinel,
“Axial couplings in heavy hadron chiral perturbation theory at the next-to-leading order”,
arXiv:1108.5594 [hep-lat],
 Phys. Rev. **D84** (2011) 094502
26. E. Bilgici, A. Flachi, E. Itou, M. Kurachi, C.-J.D. Lin, H. Matsu-
 sufuru, H. Ohki, T. Onogi and T. Yamazaki,
*“A new scheme for the running coupling constant in gauge theo-
 ries using Wilson loops”*,
arXiv:0902.3768 [hep-lat],
 Phys. Rev. **D80** (2009) 034507
27. W. Detmold, C.-J.D. Lin, M. Wingate,
*“Bottom hadron mass splittings in the static limit from 2+1
 flavour lattice QCD”*,
arXiv:0812.2583 [hep-lat],
 Nucl. Phys. **B818** (2009) 17
28. W. Detmold and C.-J.D. Lin,
*“Matrix elements of the complete set of $\Delta B = 2$ and $\Delta C = 2$
 operators in heavy meson chiral perturbation theory”*,
hep-lat/0612028,
 Phys. Rev. **D76** (2007) 014501
29. W. Detmold and C.-J.D. Lin,
*“Deep-inelastic scattering and the operator product expansion in
 lattice QCD”*,
hep-lat/0507007,
 Phys. Rev. **D73** (2006) 014501
30. W. Detmold and C.-J.D. Lin,
“Twist-two matrix elements at finite and infinite volume”,
hep-lat/0501007,
 Phys. Rev. **D71** (2005) 054510
31. Ph. Boucaud, V. Giménez, C.-J.D. Lin, V. Lubicz, G. Martinelli,
 M. Papinutto and C.T. Sachrajda,
*“An exploratory lattice study of matrix elements of $\Delta I = 3/2$
 $K \rightarrow \pi\pi$ decays at next-to-leading in the chiral expansion”*,

- hep-lat/0412029**,
Nucl. Phys. **B721** (2005) 175
32. D. Arndt and C.-J.D. Lin,
“Heavy meson chiral perturbation theory in finite volume”,
hep-lat/0403012,
Phys. Rev. **D70** (2004) 014503
33. M. Golterman, C.-J.D. Lin and E. Pallante,
“A note on the power divergence in lattice calculations of $\Delta I = 1/2$ $K \rightarrow \pi\pi$ amplitudes at $M_K = M_\pi$ ”,
hep-lat/0312024,
Phys. Rev. **D69** (2004) 057503
34. C.-J.D. Lin, G. Martinelli, E. Pallante, C.T. Sachrajda
and G. Villadoro,
“Finite-volume partially quenched two pion amplitudes in the
 $I = 0$ channel”,
hep-lat/0308014,
Phys. Lett. **B581** (2004) 207
35. C.-J.D. Lin, G. Martinelli, E. Pallante, C.T. Sachrajda
and G. Villadoro,
“Finite-volume two pion amplitudes in the $I = 0$ channel”,
hep-lat/0211043,
Phys. Lett. **B533** (2003) 229
36. C.-J.D. Lin, G. Martinelli, E. Pallante, C.T. Sachrajda
and G. Villadoro,
“ $K^+ \rightarrow \pi^+\pi^0$ decays on finite volumes and at next-to-leading
order in the chiral expansion”,
hep-lat/0208007,
Nucl. Phys. **B650** (2003) 301
37. C.-J.D. Lin, G. Martinelli, C.T. Sachrajda and M. Testa,
“ $K \rightarrow \pi\pi$ decays in a finite volume”,
hep-lat/0104006,
Nucl. Phys. **B619** (2001) 467
38. L. Lellouch and C.-J.D. Lin,
“Standard model matrix elements for neutral B meson mixing
and associated decay constants”,
hep-ph/0011086,
Phys. Rev. **D64** (2001) 094501

Conference papers

1. W. Detmold, A. Grebe, I. Kanamori, C.-J.D Lin, R.J. Perry, Y. Zhao,
“Progress in calculation of the fourth Mellin moment of the pion light-cone distribution amplitude using the HOPE method”,
arXiv:2211.17009 [hep-lat],
 contribution to Lattice 2022
2. J.-W. Lee, E. Bennett, D. K. Hong, H. Hsiao, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“Composite dynamics in $Sp(2N)$ gauge theories”,
arXiv:2211.09262 [hep-lat],
 contribution to Confinement XV
3. H. Hsiao, E. Bennett, D. K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“Spectroscopy of chimera baryons in a $Sp(4)$ lattice gauge theory”,
arXiv:2211.03955 [hep-lat],
 contribution to Lattice 2022
4. D. VDACCHINO, E. Bennett, D. K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai,
“Topological susceptibility, scale setting and universality from $Sp(N_c)$ gauge theories”,
arXiv:2211.02370 [hep-lat],
 contribution to Lattice 2022
5. G. Catumba, A. Hiraguchi, G.W.-S. Hou, K. Jansen, Y.-J. Kao, C.-J.D. Lin, A. Ramos, M. Darkar,
“Study of $SU(2)$ gauge theories with multiple Higgs fields in different representations”,
arXiv:2210.09855 [hep-lat],
 contribution to Lattice 2022
6. J.-W. Lee, E. Bennett, D. K. Hong, H. Hsiao, C.-J.D. Lin, B. Lucini, M. Piai, D. VDACCHINO,
“Spectroscopy of $Sp(4)$ lattice gauge theory with $n_f = 3$ antisymmetric fermions”,
arXiv:2210.08154 [hep-lat],
 contribution to Lattice 2022
7. W. Detmold, A. Grebe, I. Kanamori, C.-J.D Lin, S. Mondal, R.J. Perry, Y. Zhao,
“Progress in the determination of Mellin moments of the pion LCDA using the HOPE method”,
arXiv:2111.14563 [hep-lat],
 PoS LATTICE2021 (2022) 488
8. E. Bennett, J. Holligan, D. K. Hong, H. Hsiao, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Mesiti, M. Piai, D. VDACCHINO,
“Progress in $Sp(2N)Sp(2N)$ lattice gauge theories”,

- arXiv:2111.14544 [hep-lat]**,
PoS LATTICE2021 (2022) 308, 274, 140
9. B. Lucini, E. Bennett, J. Holligan, D. K. Hong, H. Hsiao, J.-W. Lee, C.-J.D. Lin, M. Mesiti, M. Piai, D. Vadacchino, “*Sp(4) gauge theories and beyond the standard model physics*”,
arXiv:2111.12125 [hep-lat],
EPJ Web Conf. 258 (2022) 08003
 10. W. Detmold, A. Grebe, I. Kanamori, C.-J.D Lin, S. Mondal, R.J. Perry, Y. Zhao,
“*A preliminary determination of the second Mellin moment of the pion distribution amplitude using the heavy quark operator product expansion*”,
arXiv:2009.09473 [hep-lat],
contribution to the Asia-Pacific symposium on lattice field theory 2020
 11. J. Holligan, E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. Vadacchino,
“*Sp(2N) Yong-Mills towards large-N*”,
arXiv:1912.09788 [hep-lat],
PoS LATTICE2019 (2019) 177
 12. M.C. Banuls, K. Cichy, H.-T. Hung, Y.-J. Kao, C.-J.D. Lin, Y.-P. Lin, D.T-L. Tan,
“*Phase structure and real-time dynamics of the massive Thirring model in 1+1 dimensions using the tensor-network method*”,
arXiv:1912.07343 [hep-lat],
PoS LATTICE2019 (2019) 022
 13. I. Kanamori, C.-J.D. Lin
“*Chiral Condensate and Susceptibility of SU(2) $n_f=8$ Naive Staggered System*”,
arXiv:1912.01489 [hep-lat],
PoS LATTICE2019 (2019) 034
 14. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. Vadacchino,
“*Meson spectrum of Sp(4) lattice gauge theory with two fundamental Dirac fermions*”,
arXiv:1911.00437 [hep-lat],
PoS LATTICE2019 (2019) 054
 15. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai, D. Vadacchino,
“*Progress in the lattice simulations of Sp(2N) gauge theories*”,
arXiv:1811.00276 [hep-lat],
PoS LATTICE2018 (2018) 192

16. W. Detmold, I. Kanamori, C.-J.D. Lin, S. Mondal, Y. Zhao,
 “Moments of pion distribution amplitude using operator product
 expansion on the lattice”,
arXiv:1810.12194 [hep-lat],
 PoS LATTICE2018 (2018) 106
17. M.C. Banuls, K. Cichy, Y.-J. Kao, C.-J.D. Lin, Y.-P. Lin,
 D.T.-L. Tan,
 “Investigation of the 1+1 dimensional Thirring model using the
 method of matrix product states”,
arXiv:1810.12038 [hep-lat],
 PoS LATTICE2018 (2018) 229
18. M.C. Banuls, K. Cichy, Y.-J. Kao, C.-J.D. Lin, Y.-P. Lin,
 D.T.-L. Tan
 “Tensor network study of the (1+1)-dimensional Thirring model”,
arXiv:1710.09993,
 EPJ Web Conf. 175 (2018) 11017
19. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin
 “Higgs-Yukawa model on the lattice”,
arXiv:1710.09737,
 EPJ Web Conf. 175 (2018) 08017
20. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai,
 D. VDACCHINO,
 “Higgs compositeness in $Sp(2N)$ gauge theories – The pure gauge
 model”,
arXiv:1710.07043,
 EPJ Web Conf. 175 (2018) 08013
21. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai,
 D. VDACCHINO,
 “Higgs compositeness in $Sp(2N)$ gauge theories – Determining
 the low-energy constants with lattice calculations”,
arXiv:1710.06941,
 EPJ Web Conf. 175 (2018) 11011
22. E. Bennett, D.-K. Hong, J.-W. Lee, C.-J.D. Lin, B. Lucini, M. Piai,
 D. VDACCHINO,
 “Higgs compositeness in $Sp(2N)$ gauge theories – Resymplectici-
 sation, scale setting and topology”,
arXiv:1710.06715,
 EPJ Web Conf. 175 (2018) 11012
23. A. Athenodorou, E. Bennett, G. Bergner, D. Elander, C.-J.D. Lin,
 B. Lucini, M. Piai,
 “Large mass hierarchies from strongly-coupled dynamics”,

- arXiv:1702.06452 [hep-lat]**,
PoS LATTICE2016 (2016) 232
24. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin, A. Nagy,
“*Finite Size Scaling of the Higgs-Yukawa Model near the Gaussian Fixed Point*”,
arXiv:1611.00466 [hep-lat],
PoS LATTICE2016 (2016) 217
25. C.Y.-H. Huang, I. Kanamori, C.-J.D. Lin, K. Ogawa, H. Ohki,
A. Ramos, E. Rinaldi,
“*Lattice study for conformal windows of $SU(2)$ and $SU(3)$ gauge theories with fundamental fermions*”,
arXiv:1511.01968 [hep-lat],
PoS LATTICE2015 (2015) 224
26. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin, K. Nagai,
A. Nagy,
“*Lattice study of the Higgs-Yukawa model in and beyond the Standard Model*”,
arXiv:1510.08620 [hep-lat],
PoS LATTICE2015 (2015) 230
27. D.Y.-J. Chu, K. Jansen, B. Knippschild, C.-J.D. Lin, A. Nagy,
“*A lattice study of a chirally invariant Higgs–Yukawa model including a higher dimensional Φ^6 term*”,
arXiv:1501.00306 [hep-lat],
PoS LATTICE2014 (2014) 278
28. C.-J.D. Lin, K. Ogawa, H. Ohki, A. Ramos, E. Shintani,
“ *$SU(3)$ gauge theory with 12 flavours in a twisted box*”,
arXiv:1410.8824 [hep-lat],
PoS LATTICE2014 (2014) 259
29. C.Y.-H. Huang, C.-J.D. Lin, K. Ogawa, H. Ohki, E. Rinaldi,
“*Phase structure study of $SU(2)$ lattice gauge theory with 8 flavours*”,
arXiv:1410.8698 [hep-lat],
PoS LATTICE2014 (2014) 240
30. P. Hegde, K. Jansen, C.-J.D. Lin, A. Nagy,
“*Stabilising the electroweak vacuum by higher-dimensional operators in a Higgs-Yukawa model*”,
arXiv:1310.6260 [hep-lat],
PoS LATTICE2013 (2013) 058
31. P. Hegde, G.W.-S. Hou, K. Jansen, B. Knippschild, C.-J.D. Lin,
K.-I. Nagai, A. Nagy, K. Ogawa,
“*The phase structure of a chirally-invariant Higgs-Yukawa Model*”,

- arXiv:1310.5922 [hep-lat]**,
PoS LATTICE2013 (2013) 057
32. W. Detmold, C.-J.D. Lin, S. Meinel, M. Wingate,
“Form factors for $\Lambda_b \rightarrow \Lambda$ transitions from lattice QCD”,
arXiv:1211.5127 [hep-lat],
PoS LATTICE2012 (2012) 123
33. J. Bulava, P. Gerhold, G.W.-S. Hou, K. Jansen, B. Knippschild,
C.-J.D. Lin, K.-I. Nagai, A. Nagy, K. Ogawa,
Investigation of the phase structure of a chirally-invariant Higgs-
Yukawa model,
arXiv:1210.8249 [hep-lat],
PoS LATTICE2012 (2012) 253
34. W. Detmold, C.-J.D. Lin, S. Meinel,
“Axial couplings of heavy hadrons from domain-wall lattice QCD”,
arXiv:1203.3600 [hep-lat],
PoS LATTICE2011 (2011) 166
35. C. Aubin, C.J.D. Lin, A. Soni,
“Chiral expansion for lattice’ computations of $B^+ \rightarrow D^0 K^+(\pi^+)$
and $B^+ \rightarrow \bar{D}^0 K^+(\pi^+)$ amplitudes”,
arXiv:1111.5891 [hep-lat],
PoS LATTICE2011 (2011) 330
36. J. Bulava, P. Gerhold, G.W.-S. Hou, K. Jansen, B. Knippschild,
C.-J.D. Lin, K.-I. Nagai, A. Nagy, K. Ogawa, B. Smigielski,
“Study of the Higgs-Yukawa theory in the strong-Yukawa cou-
pling regime”,
arXiv:1111.4544 [hep-lat],
PoS LATTICE2011 (2011) 075
37. K. Ogawa, T. Aoyama, H. Ikeda, E. Itou, M. Kurachi, C.-J.D. Lin,
H. Matsufuru, H. Ohki, T. Onogi, E. Shintani, T. Yamazaki,
“The infrared behaviour of $SU(3)$ $N_f = 12$ gauge theory - about
the existence of conformal fixed point”,
arXiv:1111.1575 [hep-lat],
PoS LATTICE2011 (2011) 081
38. E. Itou, T. Aoyama, M. Kurachi, C.-J.D. Lin, H. Matsufuru,
H. Ohki, T. Onogi, E. Shintani, T. Yamazaki,
“Search for the IR fixed point in the Twisted Polyakov Loop
scheme (II)”,
arXiv:1011.0516 [hep-lat],
PoS LATTICE2010 (2010) 054
39. H. Ohki, T. Aoyama, E. Itou, M. Kurachi, C.-J.D. Lin, H. Mat-
sufuru, T. Onogi, E. Shintani, T. Yamazaki,
“Study of the scaling properties in $SU(2)$ gauge theory with eight

- flavours*”,
arXiv:1011.0373 [hep-lat],
 PoS LATTICE2010 (2010) 066
40. E. Bilgici, A. Flachi, E. Itou, M. Kurachi, C.-J.D. Lin, H. Matsu-
 sufuru, H. Ohki, T. Onogi E. Shintani and T. Yamazaki,
 “Search for the IR fixed point in the twisted Polyakov loop scheme”,
arXiv:0910.4196 [hep-lat],
 PoS LATTICE2009 (2009) 093
41. S. Meinel, W. Detmold, C.-J.D. Lin, M. Wingate,
Bottom hadrons from lattice QCD with domain wall and NRQCD
fermions,
arXiv:0909.3837 [hep-lat],
 PoS LATTICE2009 (2009) 105
42. E. Bilgici, A. Flachi, E. Itou, M. Kurachi, C.-J.D. Lin, H. Mat-
 sufuru, H. Ohki, T. Onogi and T. Yamazaki,
 “A New Method of Calculating the Running Coupling Constant”,
arXiv:0902.3768 [hep-lat],
 PoS LATTICE2008 (2008) 247
43. W. Detmold and C.-J.D. Lin,
 “Chiral behaviour of matrix elements of Delta B = 2 and Delta
 C =2 operators”,
arXiv:0710.0413 [hep-lat],
 PoS LATTICE2008 (2007) 361
44. W. Detmold and C.-J.D. Lin,
 “Aspects of twist-two matrix elements”,
 PoS LATTICE2005 (2005) 361
45. C.-J.D. Lin,
 “Heavy meson chiral perturbation theory in finite volume”,
hep-lat/0409076,
 Nucl. Phys. Proc. Suppl. **140** (2005) 494
46. Ph. Boucaud *et al.*,
 “Matrix elements of $\Delta I = 3/2$ $K \rightarrow \pi\pi$ decays”,
hep-lat/0309128,
 Nucl. Phys. Proc. Suppl. **129** (2004) 314
47. M. Battaglia *et al.*,
 “The CKM matrix and the Unitarity Triangle”,
hep-ph/0304132 (Based on the Workshop on CKM Unitarity
 Triangle, CERN, Geneva, Feb. 2002.)
48. D. Becirevic *et al.*,
 “Kaon weak matrix elements with Wilson fermions”,
hep-lat/0209136,
 Nucl. Phys. Proc. Suppl. **119** (2003) 359

49. C.-J.D. Lin, G. Martinelli, E. Pallante, C.T. Sachrajda and G. Villadoro,
“Effects of quenching in $\Delta I = 1/2$ kaon decays”,
hep-lat/0209107,
 Nucl. Phys. Proc. Suppl. **119** (2003) 371
50. C.-J.D. Lin, G. Martinelli, E. Pallante, C.T. Sachrajda and G. Villadoro,
“ $K^+ \rightarrow \pi^+\pi^0$ decays at next-to-leading order in the chiral expansion on finite volumes”,
hep-lat/0209020,
 Nucl. Phys. Proc. Suppl. **119** (2003) 383
51. C.-J.D. Lin, G. Martinelli, C.T. Sachrajda and M. Testa,
“Finite volume effects in weak hadronic decays”,
hep-lat/0111033 ,
 Nucl. Phys. Proc. Suppl. **109A** (2002) 218
52. Ph. Boucaud *et al.*,
“ $K \rightarrow \pi\pi$ matrix elements beyond the leading-order chiral expansion”,
hep-lat/0110206,
 Nucl. Phys. Proc. Suppl. **106** (2002) 329
53. Ph. Boucaud *et al.*,
“Extraction of $K \rightarrow \pi\pi$ matrix elements with Wilson fermions”,
hep-lat/0110169,
 Nucl. Phys. Proc. Suppl. **106** (2002) 323
54. J. Flynn and C.-J.D. Lin,
“ $B_{(s)}^0 - \bar{B}_{(s)}^0$ mixing and B hadron lifetime from lattice QCD”,
hep-ph/0012154,
 J.Phys. **G27** (2001) 1245
55. L. Lellouch and C.-J.D. Lin,
“ $B^0 - \bar{B}^0$ mixing and decay constants from lattice QCD”,
hep-ph/9912322,
 PoS HF8 (1999) 050
56. L. Lellouch and C.-J.D. Lin,
“ $\Delta S = 2$ and $\Delta I = 3/2$ matrix elements in quenched QCD”,
hep-lat/9809142,
 Nucl. Phys. B (proc. suppl.) **73** (1999) 312
57. L. Lellouch and C.-J.D. Lin,
“Neutral B meson mixing and heavy-light decay constants from quenched lattice QCD”,
hep-lat/9809018,
 Nucl. phys. B (proc. suppl.) **73** (1999) 357