

USQCD Publications—2017

78. J. H. Zhang *et al.* [LP³ Collaboration], Nucl. Phys. B **939**, 429 (2019) {doi} [arXiv:1712.10025 [hep-ph]].
77. A. Bazavov *et al.* [Fermilab Lattice and MILC Collaborations], Phys. Rev. D **98**, 074512 (2018) {doi} [arXiv:1712.09262 [hep-lat]].
76. Z. Fodor, K. Holland, J. Kuti, D. Nogradi, and C. H. Wong, EPJ Web Conf. **175**, 08015 (2018) {doi} [arXiv:1712.08594 [hep-lat]].
75. B. Yoon, T. Bhattacharya, and R. Gupta, EPJ Web Conf. **175**, 01014 (2018) {doi} [arXiv:1712.08557 [hep-lat]].
74. E. Chang, Z. Davoudi, W. Detmold, A. S. Gambhir, K. Orginos, M. J. Savage, P. E. Shanahan, M. L. Wagman, and F. Winter [NPLQCD Collaboration], Phys. Rev. Lett. **120**, 152002 (2018) {doi} [arXiv:1712.03221 [hep-lat]].
73. C. DeTar, S. Gottlieb, R. Li, and D. Toussaint, arXiv:1712.00143 [hep-lat].
72. Y. Liu *et al.* [Fermilab Lattice and MILC Collaborations], EPJ Web Conf. **175**, 13008 (2018) {doi} [arXiv:1711.08085 [hep-lat]].
71. M. Bruno, C. Lehner, and A. Soni [RBC and UKQCD Collaborations], Phys. Rev. D **97**, 074509 (2018) {doi} [arXiv:1711.05768 [hep-lat]].
70. Z. Fodor, K. Holland, J. Kuti, D. Nogradi, and C. H. Wong, EPJ Web Conf. **175**, 08014 (2018) {doi} [arXiv:1711.05299 [hep-lat]].
69. Z. Fodor, K. Holland, J. Kuti, D. Nogradi, and C. H. Wong, EPJ Web Conf. **175**, 08027 (2018) {doi} [arXiv:1711.04833 [hep-lat]].
68. W. Sun, L.-c. Gui, Y. Chen, M. Gong, and Z. Liu, EPJ Web Conf. **175**, 05016 (2018) {doi} [arXiv:1711.00711 [hep-lat]].
67. Z. Fodor, K. Holland, J. Kuti, D. Nogradi, and C. H. Wong, EPJ Web Conf. **175**, 08028 (2018) {doi} [arXiv:1711.00130 [hep-lat]].
66. A. Hasenfratz, C. Rebbi, and O. Witzel, arXiv:1710.11578 [hep-lat].
65. B. Chakraborty *et al.* [Fermilab Lattice, HPQCD, and MILC Collaborations], Phys. Rev. Lett. **120**, 152001 (2018) {doi} [arXiv:1710.11212 [hep-lat]].
64. R. Brower, N. Christ, C. DeTar, R. Edwards, and P. Mackenzie, EPJ Web Conf. **175**, 09010 (2018) {doi} [arXiv:1710.11094 [hep-lat]].
63. M. L. Wagman, EPJ Web Conf. **175**, 05003 (2018) {doi} [arXiv:1710.10818 [hep-lat]].
62. A. Vaquero Avilés-Casco, C. DeTar, D. Du, A. El-Khadra, A. S. Kronfeld, J. Laiho, and R. S. Van de Water [Fermilab Lattice and MILC Collaborations], EPJ Web Conf. **175**, 13003 (2018) {doi} [arXiv:1710.09817 [hep-lat]].
61. Z. Gelzer *et al.* [Fermilab Lattice and MILC Collaborations], EPJ Web Conf. **175**, 13024 (2018) {doi} [arXiv:1710.09442 [hep-lat]].

60. P. A. Boyle, M. A. Clark, C. DeTar, M. Lin, V. Rana, and A. V. Avilés-Casco, EPJ Web Conf. **175**, 09006 (2018) [{doi}](#) [arXiv:1710.09409 [hep-lat]].
59. Z. Fodor, K. Holland, J. Kuti, D. Nogradi, and C. H. Wong, Phys. Lett. B **779**, 230 (2018) [{doi}](#) [arXiv:1710.09262 [hep-lat]].
58. A. Hasenfratz, C. Rebbi, and O. Witzel, EPJ Web Conf. **175**, 08007 (2018) [{doi}](#) [arXiv:1710.08970 [hep-lat]].
57. Y. Bi, H. Cai, Y. Chen, M. Gong, K. F. Liu, Z. Liu, and Y. B. Yang [χ QCD Collaboration], Phys. Rev. D **97**, 094501 (2018) [{doi}](#) [arXiv:1710.08678 [hep-lat]].
56. D. Schaich and S. Catterall, EPJ Web Conf. **175**, 03004 (2018) [{doi}](#) [arXiv:1710.08137 [hep-lat]].
55. C. Lehner [RBC and UKQCD Collaborations], EPJ Web Conf. **175**, 01024 (2018) [{doi}](#) [arXiv:1710.06874 [hep-lat]].
54. S. Ohta *et al.* [RBC and UKQCD Collaborations], EPJ Web Conf. **175**, 06012 (2018) [{doi}](#) [arXiv:1710.06656 [hep-lat]].
53. R. G. Jha, S. Catterall, D. Schaich, and T. Wiseman, EPJ Web Conf. **175**, 08004 (2018) [{doi}](#) [arXiv:1710.06398 [hep-lat]].
52. V. Ayyar, D. Hackett, W. Jay, and E. Neil, EPJ Web Conf. **175**, 08025 (2018) [{doi}](#) [arXiv:1710.03257 [hep-lat]].
51. A. Hasenfratz, C. Rebbi, and O. Witzel, PoS EPS -**HEP2017**, 356 (2017) [{doi}](#) [arXiv:1710.02131 [hep-ph]].
50. E. Berkowitz, G. R. Jansen, K. McElvain, and A. Walker-Loud, EPJ Web Conf. **175**, 09007 (2018) [{doi}](#) [arXiv:1710.01986 [hep-lat]].
49. A. Hanlon, “The ρ Meson Spectrum and $K\pi$ Scattering with Partial Wave Mixing in Lattice QCD,” University of Pittsburgh Ph. D. dissertation (2017) [{link}](#).
48. V. Ayyar, T. DeGrand, M. Golterman, D. C. Hackett, W. I. Jay, E. T. Neil, Y. Shamir, and B. Svetitsky, Phys. Rev. D **97**, 074505 (2018) [{doi}](#) [arXiv:1710.00806 [hep-lat]].
47. S. Catterall, R. G. Jha, D. Schaich, and T. Wiseman, Phys. Rev. D **97**, 086020 (2018) [{doi}](#) [arXiv:1709.07025 [hep-th]].
46. V. Ayyar, T. DeGrand, D. C. Hackett, W. I. Jay, E. T. Neil, Y. Shamir, and B. Svetitsky, EPJ Web Conf. **175**, 08026 (2018) [{doi}](#) [arXiv:1709.06190 [hep-lat]].
45. A. Parreño, M. J. Savage, B. C. Tiburzi, J. Wilhelm, E. Chang, W. Detmold, and K. Orginos, EPJ Web Conf. **175**, 06001 (2018) [{doi}](#) [arXiv:1709.01564 [hep-lat]].
44. G. K. C. Cheung, C. E. Thomas, J. J. Dudek, R. G. Edwards [Hadron Spectrum Collaboration], JHEP **1711**, 033 (2017) [{doi}](#) [arXiv:1709.01417 [hep-lat]].
43. F. Winter, W. Detmold, A. S. Gambhir, K. Orginos, M. J. Savage, P. E. Shanahan, and M. L. Wagman [NPLQCD Collaboration], Phys. Rev. D **96**, 094512 (2017) [{doi}](#) [arXiv:1709.00395 [hep-lat]].
42. R. A. Briceño, J. J. Dudek, R. G. Edwards, and D. J. Wilson [Hadron Spectrum Collaboration], Phys. Rev. D **97**, 054513 (2018) [{doi}](#) [arXiv:1708.06667 [hep-lat]].

41. H. W. Lin *et al.* [LP³ Collaboration], Phys. Rev. D **98**, 054504 (2018) {doi} [arXiv:1708.05301 [hep-lat]].
40. A. Bazavov *et al.* [HotQCD Collaboration], Phys. Rev. D **96**, 074510 (2017) {doi} [arXiv:1708.04897 [hep-lat]].
39. A. Hasenfratz, C. Rebbi, and O. Witzel, EPJ Web Conf. **175**, 03006 (2018) {doi} [arXiv:1708.03385 [hep-lat]].
38. C. Bernard and D. Toussaint [MILC Collaboration], Phys. Rev. D **97**, 074502 (2018) {doi} [arXiv:1707.05430 [hep-lat]].
37. M. L. Wagman, F. Winter, E. Chang, Z. Davoudi, W. Detmold, K. Orginos, M. J. Savage, and P. E. Shanahan [NPLQCD Collaboration], Phys. Rev. D **96**, 114510 (2017) {doi} [arXiv:1706.06550 [hep-lat]].
36. J. H. Weber, arXiv:1706.07104 [hep-lat].
35. A. Bazavov *et al.* [Fermilab Lattice and MILC Collaborations], Phys. Rev. D **97**, 034513 (2018) {doi} [arXiv:1706.04622 [hep-lat]].
34. B. Yoon *et al.* Phys. Rev. D **96**, 094508 (2017) {doi} [arXiv:1706.03406 [hep-lat]].
33. J. W. Chen, T. Ishikawa, L. Jin, H. W. Lin, Y. B. Yang, J. H. Zhang, and Y. Zhao, Phys. Rev. D **97**, 014505 (2018) {doi} [arXiv:1706.01295 [hep-lat]].
32. S. R. Beane *et al.* [NPLQCD Collaboration], arXiv:1705.09239 [hep-lat].
31. R. Gupta, Y. C. Jang, H. W. Lin, B. Yoon, and T. Bhattacharya [PNDME Collaboration], Phys. Rev. D **96**, 114503 (2017) {doi} [arXiv:1705.06834 [hep-lat]].
30. K. F. Liu, J. Liang, and Y. B. Yang, Phys. Rev. D **97**, 034507 (2018) {doi} [arXiv:1705.06358 [hep-lat]].
29. R. S. Sufian, Y. B. Yang, J. Liang, T. Draper, and K. F. Liu [χ QCD Collaboration], Phys. Rev. D **96**, 114504 (2017) {doi} [arXiv:1705.05849 [hep-lat]].
28. Y. Aoki, T. Izubuchi, E. Shintani, and A. Soni, Phys. Rev. D **96**, 014506 (2017) {doi} [arXiv:1705.01338 [hep-lat]].
27. M. L. Wagman and M. J. Savage [NPLQCD Collaboration], arXiv:1704.07356 [hep-lat].
26. S. Sharma [Bielefeld-BNL-CCNU Collaboration], Nucl. Phys. A **967**, 728 (2017) {doi} [arXiv:1704.05969 [hep-lat]].
25. C. Alexandrou, L. Leskovec, S. Meinel, J. Negele, S. Paul, M. Petschlies, A. Pochinsky, G. Rendon, and S. Syritsyn, Phys. Rev. D **96**, 034525 (2017) {doi} [arXiv:1704.05439 [hep-lat]].
24. M. Mace, N. Mueller, S. Schlichting, and S. Sharma, Nucl. Phys. A **967**, 752 (2017) {doi} [arXiv:1704.05887 [hep-lat]].
23. E. Berkowitz *et al.* arXiv:1704.01114 [hep-lat].
22. J. H. Weber [TUMQCD Collaboration], EPJ Web Conf. **137**, 07028 (2017) {doi}.

21. C. J. Monahan, H. Na, C. M. Bouchard, G. P. Lepage, and J. Shigemitsu [HPQCD Collaboration], Phys. Rev. D **95**, 114506 (2017) [{doi}](#) [arXiv:1703.09728 [hep-lat]].
20. J. Green, N. Hasan, S. Meinel, M. Engelhardt, S. Krieg, J. Laeuchli, J. Negele, K. Orginos, A. Pochinsky, and S. Syritsyn, Phys. Rev. D **95**, 114502 (2017) [{doi}](#) [arXiv:1703.06703 [hep-lat]].
19. B. C. Tiburzi, M. L. Wagman, F. Winter, E. Chang, Z. Davoudi, W. Detmold, K. Orginos, M. J. Savage, and P. E. Shanahan [NPLQCD Collaboration], Phys. Rev. D **96**, 054505 (2017) [{doi}](#) [arXiv:1702.02929 [hep-lat]].
18. S. T. Li and H. T. Ding [Bielefeld-BNL-CCNU Collaboration], PoS LATTICE **2016**, 372 (2017) [{doi}](#) [arXiv:1702.01294 [hep-lat]].
17. J. Osborn and X. Y. Jin, PoS LATTICE **2016**, 271 (2017) [{doi}](#).
16. S. Syritsyn, A. S. Gambhir, B. Musch, and K. Orginos, PoS LATTICE **2016**, 176 (2017) [{doi}](#).
15. J. H. Zhang, J. W. Chen, X. Ji, L. Jin, and H. W. Lin, Phys. Rev. D **95**, 094514 (2017) [{doi}](#) [arXiv:1702.00008 [hep-lat]].
14. M. Abramczyk, S. Aoki, T. Blum, T. Izubuchi, H. Ohki, and S. Syritsyn, Phys. Rev. D **96**, 014501 (2017) [{doi}](#) [arXiv:1701.07792 [hep-lat]].
13. E. Berkowitz *et al.* Phys. Rev. D **96**, 054513 (2017) [{doi}](#) [arXiv:1701.07559 [hep-lat]].
12. C. C. Chang *et al.* [Fermilab Lattice and MILC Collaborations], PoS LATTICE **2016**, 307 (2017) [{doi}](#) [arXiv:1701.05916 [hep-lat]].
11. T. Primer *et al.* [Fermilab Lattice and MILC Collaborations], PoS LATTICE **2016**, 305 (2017) [{doi}](#).
10. R. Gupta [PNDME and NME Collaborations], PoS LATTICE **2016**, 157 (2016) [{doi}](#) [arXiv:1701.05651 [hep-lat]].
9. A. Bazavov, H.-T. Ding, P. Hegde, O. Kaczmarek, F. Karsch, E. Laermann, Y. Maezawa, Swagato Mukherjee, H. Ohno, P. Petreczky, H. Sandmeyer, P. Steinbrecher, C. Schmidt, S. Sharma, W. Soeldner, and M. Wagner, Phys. Rev. D **95**, 054504 (2017) [{doi}](#) [arXiv:1701.04325 [hep-lat]].
8. R. Gupta, T. Bhattacharya, V. Cirigliano, and B. Yoon, EPJ Web Conf. **137**, 08007 (2017) [{doi}](#) [arXiv:1701.04132 [hep-lat]].
7. A. Bazavov, H.-T. Ding, P. Hegde, F. Karsch, E. Laermann, S. Mukherjee, P. Petreczky, and C. Schmidt, Phys. Rev. D **95**, 074505 (2017) [{doi}](#) [arXiv:1701.03548 [hep-lat]].
6. P. E. Shanahan *et al.* [NPLQCD Collaboration], Phys. Rev. Lett. **119**, 062003 (2017) [{doi}](#) [arXiv:1701.03456 [hep-lat]].
5. M. Engelhardt, Phys. Rev. D **95**, 094505 (2017) [{doi}](#) [arXiv:1701.01536 [hep-lat]].
4. T. DeGrand, Phys. Rev. D **95**, 114512 (2017) [{doi}](#) [arXiv:1701.00793 [hep-lat]].
3. J. A. Bailey, C. DeTar, Y. C. Jang, A. S. Kronfeld, W. Lee, and M. B. Oktay [SWME, Fermilab Lattice, and MILC Collaborations], Eur. Phys. J. C **77**, 768 (2017) [{doi}](#) [arXiv:1701.00345 [hep-lat]].
2. A. S. Meyer, “The Nucleon Axial Form Factor and Staggered Lattice QCD,” University of Chicago Ph. D. dissertation (2017) [{doi}](#).

1. R. S. Sufian, “Disconnected-Sea Quarks Contribution to Nucleon Electromagnetic Form Factors,” University of Kentucky Ph. D. dissertation (2017) [link](#)}.

INSPIRE search “find date 2017 and fulltext USQCD” includes papers using the USQCD software stack and/or data generated on USQCD computing resources.

May 9, 2019