

Curriculum Vitae

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Personal data

Date of Birth: January 28, 1954

Place of Birth: Moscow, Russia

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Educational History

Ph.D. Institute of Theoretical and Experimental Physics (ITEP) Moscow, January 1986 (Experimental Nuclear Physics).

Thesis: "Correlations of cumulative protons and deuterons in pA and π^- A interactions", based on publications in Soviet Journal of Nuclear Physics.

M.Sc. Moscow Institute for Physics and Technology (Experimental Nuclear Physics), 1977

B.A. Moscow Institute for Physics and Technology, 1974

Employment history.

Member of CLAS collaboration, CEBAF, 1996 - present

Visiting Scientist, CEBAF, January, 1994 - present

Senior Research Scientist, ITEP, Laboratory for High Energy Nuclear Physics, March 1990 - present

Research Scientist, ITEP, Laboratory for High Energy Nuclear Physics, January, 1986 - March 1990

Research Associate, ITEP, Laboratory for High Energy Nuclear Physics, October 1980 - January 1986

Ph.D. student, ITEP, October 1977 - October 1980

Research history.

1. Assisting with the production, testing, installation, and surveying of scintillator counters for total inelastic cross section measurements September, 1975 - August, 1976
2. Assisting with the installation and software production of the Wire Spark Chamber Detector (Cumulative proton backward production in nuclear reactions) October, 1977 - September, 1979
3. Software coordinator for the experiment "Correlation of cumulative baryons at small relative momenta". October, 1978 - January, 1981
4. Software coordinator and scientific leader for the experiment "Hadron correlations in nuclear reactions with cumulative proton production by 6.0 GeV/c π^- - mesons". January, 1978 - October, 1980
5. Scientific leader and software coordinator for the experiment "Correlations of cumulative protons and neutrons in pA and π^- -A interactions", November, 1981 - September, 1985
6. Supervised the production of hardware and software for the program "Correlations of hadrons emitted at angle 75° - 105° in hadron - nuclei reactions". April, 1985 - January, 1991
7. Assisted with the calibration of Non-Magnetic Hadron Spectrometer April, 1983 - November, 1984
8. Supervised the production, testing, installation, and surveying of CORDE (CORrelations aimed Detector) detector. April, 1991 - July, 1993
9. Software coordinator for the ON-LINE and OFF-LINE analysis of events from experiment "Lambda-3" in ITEP. January, 1993 - January, 1994
10. Scientific leader of the program "Two-particle correlations of forward emitted particles in proton-nuclei interactions". November, 1991 - present
11. A member of software group of CLAS Collaboration (CEBAF). Software support of CLAS Cerenkov detector design. Efficiency estimations using GEANT, event reconstruction in CLAS cerenkov detector. January, 1994 - present
12. Full member of CLAS Collaboration (CEBAF). April, 1996 - present
13. CLAS12 project software support. Software for Silicon Vertex Tracker, High and Low Cerenkov Counters, Background estimates and shielding optimization for CLAS12. 2008 - present

Conferences.

1. Yu.D. Bayukov, A.V. Vlassov et al. "Correlation function of cumulative protons in hadron-nucleus interactions." VIII International Seminar on High Energy Physics Problems, 1986, Dubna, Russia, v.1, p. 288.
2. P.V. Degtyarenko, A.V. Vlassov et al. "Correlations between two cumulative protons in hadron-nucleus collisions", XI International Conference on particles and nuclei, Kyoto, April 20-24, 1987, Abstract Book I, p.240.
3. P.V. Degtyarenko, A.V. Vlassov et al. "Measurements of the momentum dependence of the correlation function", *ibid*, p.242.
4. P.V. Degtyarenko, A.V. Vlassov et al. "Multiparticle correlations in proton-nucleus reactions at 7.5 GeV/c" XII International Conference on particles and nuclei, MIT, 1990, Abstract Book II, p.55.
5. P.V. Degtyarenko, A.V. Vlassov et al. "The momentum dependence of angular correlations between cumulative protons in eA interactions", XIII International Conference on particles and nuclei, Perugia, June 28-July 03, 1993, Abstract Book I, p.359
6. P.V. Degtyarenko, A.V. Vlassov et al. "The dependence of proton correlations on integral characteristics of eA interactions", XIII International Conference on particles and nuclei, Perugia, June 28-July 03, 1993, Abstract Book I, p.360
7. A.V.Stavinsky, A.V.Vlassov "Kinematical correlation as an additional signature of QCP", XIII International Conference on particles and nuclei, Perugia, June 28-July 03, 1993, Abstract Book I, p.542
8. P.V.Degtyarenko, E.A.Doroshkevich, V.B.Gavrilov, A.B.Kaidalov, M.V.Kossov, G.A.Leksin, S.M.Shuvalov, A.V.Smirnitsky, A.V.Stavinsky, A.V.Vlassov, G.I.Lykasov, A.V.Efremov "Study of properties of dense fluctuations of nuclear matter using high-energy deep-inelastic eA scattering", "The ELFE PROJECT - An Electron Laboratory for Europe" - Conference proceedings Vol. 44, SIF, Bologna,1993, p 453-473
9. P.Y.Bertin, J.Berthot, V.Breton, E.Doroshkevich, H.Fonvieille, G.Fournier, C.Marchand, A.Stavinsky, P.Vernin, A. Vlassov "MEMUS - Multiparticle Electroproduction Modular Upgradable Spectrometer", "The ELFE PROJECT - An Electron Laboratory for Europe" - Conference proceedings Vol. 44, SIF, Bologna, 1993, p. 553 - 574
10. P.V.Degtyarenko, E.A.Doroshkevich, A.A.Kurzenkov, G.A.Leksin, A.V.Stavinsky, A.V.Vlassov "Proton-pion correlations in electron-nucleus interactions", PANIC-96, 1-63 Abstract book I, p. 64 11. A.V. Vlassov et al. "Two forward protons correlations at small relative momentum in pA interactions",

PANIC-96 conference , 2-105 Abstract book I, p. 248 12. P.V.Degtyarenko, E.A.Doroshkevich, G.A.Leksin, A.V.Stavinsky, A.V.Vlassov “Two pions correlations in electron-nucleus interactions”, PANIC-96, 2-115, p.258

Research awards

Co-authored proposal of the experiment at the CLAS detector at CEBAF “Study of Local Properties of Nuclear Matter in Electron-Nucleus and Photon-Nucleus Interactions with Backward Particle Production Using the CLAS Detector” approved by CEBAF Program Advisory Committee (1991).

Co-authored proposal of the experiment at the CLAS detector at CEBAF “Electroproduction of Light Vector Mesons” approved by CEBAF Program Advisory Committee (1993). Responsible for the CLAS detector acceptance calculations.

List of scientific publications

1. A.V. Vlasov et al. ”Total inelastic cross sections for interaction of π^- mesons with nuclei in the momentum range from 2 to 6 GeV/c”, Sov.J.Nucl.Phys.,v.27 (1978), 222 - 224.

2. B.M. Bobchenko, A.V. Vlasov et al. ”Measurement of total inelastic cross sections for interaction of protons with nuclei in the momentum range from 5 to 9 GeV/c and for interaction of π^- mesons with nuclei in the momentum range from 1.75 to 6.5 GeV/c”, Sov.J.Nucl.Phys., v.30,(1979),805-813

3. Yu.D. Bayukov, A.V. Vlasov et al. ”Correlation of cumulative baryons at small relative momenta”, Sov.J.Nucl.Phys.,34(1),(1981),54 - 58.

4. Yu.D. Bayukov, A.V. Vlasov et al. ”Hadron correlations in nuclear reactions with cumulative proton production by 6.0 GeV/c π^- meson”, Sov.J.Nucl. Phys., v.34,(1981),838 - 841.

5. A.V. Vlasov et al. ”Attempt to determine the shape of the region from which cumulative protons are emitted”, Sov.J.Nucl.Phys., v.36,(1982),536 - 537.

6. Yu.D. Bayukov, A.V. Vlasov et al. ”Proton and neutron yield from nuclei, including separated isotopes of nickel and tin”, Sov.J.Nucl.Phys., v.37,(1983), 206-208.

7. P.V. Degtyarenko, A.V. Vlassov et al. ”Response of a plastic scintillator detector to light ions with energies up to hundreds of MeV”, Nuclear Instruments and Methods in Physics Research, A239,(1985),527-528.

8. Yu.D. Bayukov, A.V. Vlasov et al. ”Correlations of cumulative protons and deuterons in pA and π^- A interactions”,Sov.J.Nucl.Phys., v.44,(1986), 263-270

9. A.V. Vlasov, et al. "Efficiency of charged-particle identification by measurement of energy release in thick scintillator", *Instruments and Experimental techniques*, v.29, (1986), 563 - 567.
10. A.V. Vlasov, et al. "Measurement of pd, pt, and dd correlation functions", *Sov.J.Nucl.Phys.*, v.50, (1989), 442 - 446.
11. Yu.D. Bayukov, A.V. Vlasov et al. "Measurement of the correlation function of cumulative protons in proton-nucleus interactions at 7.5 GeV/c", *Sov.J.Nucl.Phys.*, v.50, (1989), 447 - 451.
12. Yu.D. Bayukov, A.V. Vlasov et al. "Size and shape of the region of occurrence of hadron-nucleus reactions", *Sov.J.Nucl.Phys.*, v.50, (1989), 638 - 645.
13. Yu.D. Bayukov, A.V. Vlasov et al. "Correlation functions of cumulative baryons in pA and π^+ A interactions at initial momentum 3 GeV/c" *Sov.J.Nucl.Phys.*, v.52, (1990), 305 - 311
14. Yu.D. Bayukov, A.V. Vlasov et al. "Measurement of the correlation function of three cumulative baryons", *Sov.J.Nucl.Phys.*, v.52, (1990), 312-315
15. A.V. Vlasov et al. "Correlations of π mesons with π mesons and with cumulative baryons in proton-nucleus interactions at 7.5 GeV/c", *Sov.J.Nucl.Phys.*, v.55, (1992), 1372 - 1379.
16. P.V. Degtyarenko,... A.V.Vlassov "The dependence of proton correlations on integral characteristics of eA interactions" *Z.Phys.*, **A 350** (1994),pp 263 - 267.
17. A.V.Vlasov et al. "Analysis of Experimental Data on Correlations between Cumulative particles" *Physics of Atomic Nuclei*, **58** vol.4 (1995) pp 613 - 624.
18. V.A. Akimov,... A.V.Vlasov, ... "The LAMBDA METER-2 setup." *Instrum.Exp.Tech.* **39** vol.5 (1996) pp 635-641.
19. P.V Degtyarenko,... A.V.Vlassov "Proton-pion and two-pion correlations in eA interactions" *Zeitschrift fur physik*, **A357** (1997) pp 419 - 424.
20. J.Pluta,... A.Vlasov "Nuclear interferometry for two-nucleon systems" *Nuclonica*, **43**, vol. 3 (1998) p 321.
21. G. Audit, ... A. Vlasov, " MEMUS: A LARGE SOLID ANGLE DETECTOR FOR ELFE." *Nucl.Instrum. and Meth.* **A409** (1998) pp 400-401.
22. Yu.D. Bayukov, A.V. Vlasov, ... " A CORRELATION DETECTOR." *Instrum.Exp.Tech.* **42** vol. 1 (1999) pp 48-52
23. J.Pluta,... A.Vlasov "Two-nucleon correlations at small relative velocities in heavy ion collisions" *Acta Phys. Pol.***B31** (2000),p.371
24. J.Pluta,... A.Vlasov "First results from two-nucleon interferometry experiment E286, at GANIL" *Acta Phys. Pol.***B31** (2000),p.379

25. E.Anciant, T. Auger, ... A. Vlassov, ... (CLAS collaboration) “Photo-production of $\phi(1020)$ Mesons on the Proton at Large Momentum Transfer” Phys. Rev. Lett. **85** (22) , 2000, p. 4682
26. G.Adams, V.Burkert, .., A.Vlassov, ... “ The CLAS Cherenkov detector” Nucl. Instrum. and Meth. **A465**, 2001,p.414-427
27. R.Thompson, S.Dythman, ... A. Vlassov, ... (CLAS collaboration) “ The $ep \rightarrow e'p\eta$ Reaction at and above the $S_{11}(1535)$ Barion Resonance Phys. Rev. Lett. **86** (9), 2001, p.1702
28. K.Lukashin, E.S.Smith,... A.Vlassov,... (CLAS collaboration) “ Exclusive electroproduction of ϕ mesons at 4.2 GeV” Phys.Rev. C , vol **63**, p. 065205
29. S.P. Barrow et al. (CLAS Collaboration) “Electroproduction of the $\Lambda(1520)$ hyperon.” Phys. Rev. **C64** : 044601,2001.
30. M. Battaglieri et al. (CLAS Collaboration) “Photoproduction of the ρ^0 meson on the proton at large momentum transfer.” Phys. Rev. Lett. bf87 : 172002,2001.
31. R. De Vita et al. (CLAS Collaboration) “ First measurement of the double spin asymmetry in polarized- e polarized- $p \rightarrow e'\pi^+n$ in the resonance region.” Phys. Rev. Lett. **88** : 082001,2002, Erratum-ibid. **88** : 189903,2002
32. M. Dugger et al. (CLAS Collaboration) “ η photoproduction on the proton for photon energies from 0.75 to 1.95 GeV.” Phys. Rev. Lett. **89** : 222002,2002, Erratum-ibid. **89** : 249904,2002.
33. M. Battaglieri et al. (CLAS Collaboration) “ Photoproduction of the ω meson on the proton at large momentum transfer.” Phys. Rev. Lett. **90** : 022002,2003.
34. B.A. Mecking et al. “The CEBAF Large Acceptance Spectrometer (CLAS).” Nucl. Instrum. Meth. **A503** : 513-553,2003.
35. M. Ripani et al. (CLAS Collaboration) “ Measurement of $ep \rightarrow e'p\pi^+\pi^-$ and baryon resonance analysis.” Phys. Rev. Lett. **91** : 022002,2003.
36. D.S. Carman et al. (CLAS Collaboration) “ First measurement of transferred polarization in the exclusive polarized- e $p \rightarrow e'K^+$ polarized- Λ reaction.” Phys. Rev. Lett. **90** : 131804,2003.
37. K.S. Egiyan et al. (CLAS Collaboration) “ Observation of nuclear scaling in the $A(e, e')$ reaction at $x(B) > 1$ ” Phys. Rev. **C68** : 014313,2003.
38. K. Joo et al. (CLAS Collaboration) “Measurement of the polarized structure function σ'_{LT} for p (polarized- $p, e'p$) π^0 in the $\Delta(1232)$ resonance region.” Phys. Rev. **C68** : 032201,2003

39. M. Osipenko et al. (CLAS Collaboration) “A Kinematically complete measurement of the proton structure function $_2$ in the resonance region and evaluation of its moments.” Phys. Rev. D**67**:092001,2003.
40. R. Fatemi et al. (CLAS Collaboration) “Measurement of the proton spin structure function $g_1(x, Q^2)$ for Q^2 from 0.15 to 1.6 GeV^2 with CLAS.” Phys. Rev. Lett. **91** : 222002,2003.
41. S. Stepanyan et al. (CLAS Collaboration) “Observation of an exotic $S = +1$ baryon in exclusive photoproduction from the deuteron.” Phys. Rev. Lett. **91** : 252001,2003.
42. J.W.C. McNabb et al. (CLAS Collaboration) “Hyperon photoproduction in the nucleon resonance region.” Phys. Rev. C**69** : 042201,2004.
43. M.D. Mestayer et al. “Methods for studying close-track efficiency.” Nucl. Instrum. Meth. **A524** : 306-313,2004.
44. R.A. Niyazov et al. (CLAS Collaboration) “Two nucleon momentum distributions measured in $He^3(e, e'primepp)n.$ ” Phys. Rev. Lett. **92** : 052303,2004, Erratum-ibid. **92** : 099903,2004.
45. H. Avakian et al. (CLAS Collaboration) “Measurement of beam-spin asymmetries for π^+ electroproduction above the baryon resonance region.” Phys. Rev. D**69** : 112004,2004.
46. K. McCormick et al. (CLAS Collaboration) “Tensor polarization of the ϕ meson photoproduced at high $t.$ ” Phys. Rev. C**69** : 032203,2004.
47. V. Kubarovsky et al. (CLAS Collaboration) “Observation of an exotic baryon with $S = +1$ in photoproduction from the proton.” Phys. Rev. Lett. **92** : 032001,2004, Erratum-ibid. **92** : 049902,2004.
48. A.V. Stavinsky et al. (CLAS Collaboration) “Proton source size measurements in the $eA \rightarrow e'ppX$ reaction.” Phys. Rev. Lett.**93** : 192301,2004.
49. P. Rossi et al. (CLAS Collaboration) “Onset of asymptotic scaling in deuteron photodisintegration.” Phys. Rev. Lett. **94** : 012301,2005.
50. M. Mirazita et al. (CLAS Collaboration) “Complete angular distribution measurements of two body deuteron photodisintegration between 0.5 and 3.0 GeV.” Phys. Rev. C**70** : 014005,2004.
51. D. Protopopescu et al. (CLAS Collaboration) “Survey of A'_{LT} asymmetries in semi-exclusive electron scattering on He^4 and C^{12} . “ Nucl. Phys. **A748** : 357-373,2005.
52. K. Joo et al. (CLAS Collaboration) “Measurement of the polarized structure function σ'_{LT} for p(polarized- $e, e'\pi^+$)n in the $\Delta(1232)$ resonance region.”

53. C. Hadjidakis et al. (CLAS Collaboration) “ Exclusive ρ^0 meson electroproduction from hydrogen at CLAS.” Phys. Lett. **B605** : 256-264,2005.
54. S. Niccolai et al. (CLAS Collaboration) “ Complete measurement of three-body photodisintegration of He^3 for photon energies between 0.35 and 1.55 GeV.” Phys. Rev. **C70** : 064003,2004.
55. J.W. Price et al. (CLAS Collaboration) “Exclusive photoproduction of the cascade (Ξ) hyperons.” Phys. Rev. **C71** : 058201,2005.
56. S. Taylor et al. (CLAS Collaboration) “Radiative decays of the $\Sigma^0(1385)$ and $\Lambda(1520)$ hyperons.” Phys. Rev. **C71** : 054609,2005, Erratum-ibid. **C72** : 039902,2005.
57. K. Joo et al. (CLAS Collaboration) “ Measurement of the polarized structure function σ'_{LT} for pion electroproduction in the Roper resonance region. “ Phys. Rev. **C72** : 058202,2005.
58. L. Morand et al. (CLAS Collaboration) “ Deeply virtual and exclusive electroproduction of ω mesons.”
59. M. Osipenko et al. (CLAS Collaboration) “Measurement of the deuteron structure function F_2 in the resonance region and evaluation of its moments.” Phys. Rev. **C73** : 045205,2006.
60. S. Strauch et al. (CLAS Collaboration) “ Beam-helicity asymmetries in double-charged-pion photoproduction on the proton.” Phys. Rev. Lett. **95** : 162003,2005.
61. K.S. Egiyan et al. (CLAS Collaboration) “ Measurement of 2- and 3-nucleon short range correlation probabilities in nuclei.” Phys. Rev. Lett. **96** : 082501,2006.
62. R. Bradford et al. (CLAS Collaboration) “ Differential cross sections for $\gamma + p \rightarrow K^+ + Y$ for Λ and Σ^0 hyperons.” Phys. Rev. **C73** : 035202,2006.
63. A.V. Klimenko et al. (CLAS Collaboration) “Electron scattering from high-momentum neutrons in deuterium.” Phys. Rev. **C73** : 035212,2006.
64. M. Battaglieri et al. (CLAS Collaboration) “ Search for $\Theta^+(1540)$ pentaquark in high statistics measurement of $\gamma p \rightarrow \bar{K}^0 K^+ n$ at CLAS.” Phys. Rev. Lett. **96** : 042001,2006.
65. M. Dugger et al. (CLAS Collaboration) “ η' photoproduction on the proton for photon energies from 1.527 to 2.227 GeV.” Phys. Rev. Lett. **96** : 062001,2006, Erratum-ibid. **96** : 169905,2006.
66. H. Egiyan et al. (CLAS Collaboration) “Single π^+ electroproduction on the proton in the first and second resonance regions at $0.25 \text{ GeV}^2 \leq Q^2 \leq 0.65 \text{ GeV}^2$ using CLAS.” Phys. Rev. **C73** : 025204,2006.

67. B. McKinnon et al. (CLAS Collaboration) “ Search for the Θ^+ pentaquark in the reaction $\gamma d \rightarrow pK^-K^+n$.” Phys. Rev. Lett. **96** : 212001,2006.
68. S. Niccolai et al. (CLAS Collaboration) “ Search for the Θ^+ pentaquark in the $\gamma d \rightarrow \Lambda nK^+$ reaction measured with CLAS.” Phys. Rev. Lett. **97** : 032001,2006.
69. V. Kubarovsky et al. (CLAS Collaboration) “ Search for Θ^{++} pentaquarks in the exclusive reaction $\gamma p \rightarrow K^+K^-p$.” Phys. Rev. Lett. **97** : 102001,2006.
70. S. Chen et al. (CLAS Collaboration) “ Measurement of deeply virtual compton scattering with a polarized proton target.” Phys. Rev. Lett. **97** : 072002,2006.
71. K.V. Dharmawardane et al. (CLAS Collaboration) “Measurement of the x - and Q^2 - dependence of the asymmetry A_1 on the nucleon.” Phys. Lett. **B641** : 11-17,2006.
72. M. Ungaro et al. (CLAS Collaboration) ” Measurement of the $N \rightarrow \Delta^+(1232)$ transition at high momentum transfer by π^0 electroproduction.” Phys. Rev. Lett. **97** : 112003,2006.
73. R. De Vita et al. (CLAS Collaboration) “Search for the Θ^+ pentaquark in the reactions $\gamma p \rightarrow \bar{K}^0K^+n$ and $\gamma p \rightarrow \bar{K}^0K^0p$.” Phys. Rev. **D74** : 032001,2006.
74. Peter E. Bosted et al. (CLAS Collaboration) “ Quark-hadron duality in spin structure functions g_1^p and g_1^d .” Phys. Rev. **C75** : 035203,2007.
75. P. Ambrozewicz et al. (CLAS Collaboration) “ Separated structure functions for the exclusive electroproduction of $K^+\Lambda$ and $K^+\Sigma^0$ final states,” Phys. Rev. **C 75**, 045203 (2007)
76. R. Bradford et al (CLAS Collaboration) ” First measurement of beam-recoil observables C_x and C_z in hyperon photoproduction.” Phys. Rev. **C 75** : 035205,2007.
77. K.S. Egiyan et al. (CLAS Collaboration) “Experimental study of exclusive ${}^2\text{H}(e, e'p)n$ reaction mechanisms at high Q^2 “ Phys. Rev. Lett. **98** : 262502,2007.
78. I. Hleiqawi et al. (CLAS Collaboration) “Cross-sections for the $\gamma p \rightarrow K^{*0}\Sigma^+$ reaction at $E_\gamma = 1.7 - 3.0$ GeV. “ Phys. Rev. **C75** : 042201,2007, Erratum-ibid.C **76** :039905,2007.
79. L. Guo et al. (CLAS Collaboration) “ Cascade production in the reactions $\gamma p \rightarrow K^+K^+(X)$ and $\gamma p \rightarrow K^+K^+\pi^-(X)$.” Phys. Rev. **C76** : 025208,2007.
80. T. Mibe et al. (CLAS Collaboration) “ First measurement of coherent phi-meson photoproduction on deuteron at low energies.” Phys. Rev. **C76** : 052202,2007.
81. H. Denizli et al. (CLAS Collaboration) “ Q^2 dependence of the S(11)(1535) photocoupling and evidence for a P-wave resonance in η electroproduction.” Phys.

Rev. **C76** : 015204,2007.

82. M. Dugger et al. (CLAS Collaboration) “ π^0 photoproduction on the proton for photon energies from 0.675 to 2.875 GeV.” Phys. Rev. **C76** : 025211,2007.

83. R. Nasseripour et al. (CLAS Collaboration) “Search for medium modification of the rho meson.” Phys. Rev. Lett. **99** : 262302,2007.

84. K. Park et al. (CLAS Collaboration) “Cross sections and beam asymmetries for $\vec{e}p \rightarrow \vec{e}'n\pi^+$ in the nucleon resonance region for $1.7 \leq Q^2 \leq 4.5 - (GeV)^2$.” Phys. Rev. **C77** : 015208,2008.

85. D.G. Ireland et al. (CLAS collaboration) “A Bayesian analysis of pentaquark signals from CLAS data.” Phys. Rev. Lett. **100** : 052001,2008

86. R. De Masi et al. (CLAS collaboration) “Measurement of $ep \rightarrow epp\pi^0$ beam spin asymmetries above the resonance region.”, Phys. Rev. **C77** : 042201,2008.

87. R. Nasseripour et al. (CLAS collaboration) “ Polarized Structure Function σ'_{LT} for p(polarized- e , $e'K^+$) Λ in the Nucleon Resonance Region.” Phys. Rev. **C77** : 065208,2008.

88. M.H. Wood et al. (CLAS collaboration) “ Light Vector Mesons in the Nuclear Medium.” Phys. Rev. **C78** : 015201,2008.

89. P.E. Bosted et al. (CLAS collaboration) “ Ratios of $^{15}N/^{12}C$ and $^4He/^{12}C$ inclusive electroproduction cross sections in the nucleon resonance region.” Phys. Rev. **C78** : 015202,2008.

90. J.P. Santoro et al. (CLAS collaboration) “ Electroproduction of $\phi(1020)$ mesons at $1.4 < Q^2 < 3.8 GeV^2$ measured with the CLAS spectrometer.” Phys. Rev. **C78** : 025210,2008.

91. F.X. Girod et al. (CLAS collaboration) “Deeply virtual Compton scattering beam-spin asymmetries.” Phys. Rev. Lett. **100** : 162002,2008.

92. A.S. Biselli et al. (CLAS collaboration) “First measurement of target and double spin asymmetries for polarized- e polarized- $p \rightarrow e p \pi^0$ in the nucleon resonance region above the Delta(1232).” Phys.Rev.**C78** : 045204,2008.

93. I.G. Aznauryan et al. (CLAS collaboration) “Electroexcitation of the Roper resonance for $1.7 < Q^{*2} < 4.5 - GeV^2$ in $ep \rightarrow en \pi^+$ ” Phys.Rev. **C78** : 045209,2008.

94. Y. Prok et al. (CLAS collaboration) “ Moments of the Spin Structure Functions $g^{*p}(1)$ and $g^{*d}(1)$ for $0.05 < Q^{*2} < 3.0 - GeV^{*2}$.” Phys.Lett. **B672** : 12-16,2009.

95. S.A. Morrow et al. (CLAS collaboration) “Exclusive rho0 electroproduction on the proton at CLAS”. Eur.Phys.J. **A39** : 5-31,2009.

96. G.V. Fedotov et al. (CLAS collaboration) “Electroproduction of $p\pi^+\pi^-$ off protons at $0.2 < Q^{*2} < 0.6\text{-GeV}^{*2}$ and $1.3 < W < 1.57\text{-GeV}$ with CLAS.” *Phys.Rev.C***79** : 015204,2009
97. M. Osipenko et al. (CLAS collaboration) “ Measurement of unpolarized semi-inclusive π^+ electroproduction off the proton.” *Phys.Rev.D***80** : 032004,2009
98. M. Battaglieri et al. (CLAS collaboration) “First measurement of direct $f_0(980)$ photoproduction on the proton.” *Phys.Rev.Lett.* **102** : 102001,2009
99. M. Nozar et al. (CLAS collaboration) “Search for the photo-excitation of exotic mesons in the $\pi^+\pi^+\pi^-$ system.” *Phys.Rev.Lett.* **102** : 102002,2009.
100. J. Lachniet et al. (CLAS collaboration) “ A Precise Measurement of the Neutron Magnetic Form Factor G_M^n in the Few- GeV^2 Region.” *Phys.Rev.Lett.* **102** : 192001,2009.
101. M. Battaglieri et al. (CLAS collaboration) “Photoproduction of $\pi^+\pi^-$ meson pairs on the proton.” *Phys. Rev. D***80**, 072005 , 2009
102. K.R. Mikhailov et al. (CLAS collaboration) “ Source-size measurements in the $e\text{-}^3\text{He}(^4\text{He}) \rightarrow e\text{'p}\Lambda X$ reaction.” *Phys.Atom.Nucl.***72** :668-674,2009.
103. G. Gavalian et al.(CLAS collaboration) “ Beam spin asymmetries in deeply virtual Compton scattering (DVCS) with CLAS at 4.8 GeV” *Phys. Rev. D***80** : 032004 (2009)

Selected preprints:

1. “GEANT simulations of the Čerenkov Counters for the CLAS Spectrometer”, CLAS-NOTE 94-006, (1994) *E.A. Doroshkevich, A.V. Vlassov, M.V. Kossov*
2. “ Čerenkov Counter Reconstruction for CLAS”, CLAS-NOTE 95-011 ,(1995) *E. Doroshkevich, M.Kossov, A.V. Vlassov*”
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