

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
<b>FY09 AFTER Science and Technology Review</b>						
JLAB-PHY-08-872	Measurement of unpolarized semi-inclusive pi+ electroproduction off the proton	M. Osipenko, M. Ripani, G. Ricco, H. Avakian, R. De Vita, G. Adams, M.J. Amarian, P. Ambrozewicz, M. Anghinolfi, G. Asryan, G. Audit, H. Bagdasaryan, N. Baillie, J.P. Ball, N.A. Baltzell, S. Barrow, M. Battaglieri, I. Bedlinskiy, M. Bektasoglu, M. Bellis, N. Benmouna, B.L. Berman, A.S. Biselli, L. Blaszczyk, B.E. Bonner, S. Bouchigny, S. Boiarinov, R. Bradford, D. Branford, W.J. Briscoe, W.K. Brooks, S. Bueltmann, V.D. Burkert, C. Butuceanu, J.R. Calarco, S.L. Careccia, D.S. Carman, A. Cazes, F. Ceccopieri, S. Chen, P.L. Cole, P. Collins, P. Coltharp, P. Corvisiero, D. Crabb, V. Crede, J.P. Cummings, N. Dashyan, R. De Masi, E. De Sanctis, P.V. Degtyarenko, H. Denizli, L. Dennis, A. Deur, K.V. Dharmawardane, K.S. Dhuga, R. Dickson, C. Djalali, G.E. Dodge, J. Donnelly, D. Doughty V. Drozdov, M. Dugger, S. Dytman, O.P. Dzyubak, H. Egiyan, K.S. Egiyan, L. El Fassi, L. Elouadrhiri, P. Eugenio, R. Fatemi, G. Fedotov, G. Feldman, R.J. Feuerbach, H. Funsten, M. Garcon, G. Gavalian G.P. Gilfoyle, K.L. Giovanetti, F.X. Girod, J.T. Goetz, E. Golovach, A. Gonenc, C.I.O. Gordon, R.W. Gothe, K.A. Griffioen, M. Guidal, M. Guillo, N. Guler, L. Guo, V. Gyurjyan, C. Hadjidakis, K. Hafidi, H. Hakobyan, R.S. Hakobyan, C. Hanretty, J. Hardie, N. Hassall, D. Heddle, F.W. Hersman, K. Hicks, I. Hleiqawi, M. Holtrop, C.E. Hyde-Wright, Y. Ilieva, A. Ilyichev, D.G. Ireland, B.S.	Yes	2009	August	Phys.Rev.D80:032004,2009
JLAB-PHY-09-1044	Exclusive photoproduction of f1(1285) meson off the proton in kinematics available at the Jefferson Laboratory experimental facilities	N.I. Kochelev, M. Battaglieri, R. De Vita	Yes	2009	August	Phys. Rev. C 80, 025201 (2009) [4 pages]
JLAB-PHY-08-930	Beam Spin Asymmetries in DVCS with CLAS at 4.8 GeV	Gagik Gavalian, Volker Burkert, Latifa Elouadrhiri, Maurik Holtrop, Stepan Stepanyan	Yes	2009	September	Phys. Rev. C 80, 035206 (2009) [14 pages]
JLAB-PHY-09-944	Applications of quark-hadron duality in F2 structure function	S.P. Malace	Yes	2009	September	Phys. Rev. C 80, 035207 (2009) [29 pages]

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JLAB-PHY-09-996	Neutral Pion Electroproduction in the Resonance Region at High $Q^2$	A.N. Villano, P. Stoler, P.E. Bosted, S.H. Connell, M.M. Dalton, M.K. Jones, G.S Adams, A. Afanasev, A. Ahmidouch, T. Angelescu, J. Arrington, R. Asaturyan, O.K. Baker, N. Benmouna, B.L. Berman, H.Breuer, M.E. Christy, Y.Cui, S. Danagoulian, D. Day, T. Dodario, J.A. Dunne, D. Dutta, N. El Khayari, B. Elliot, R. Ent, H.C. Fenker, V.V. Frolov, L. Gan, D. Gaskell, A. Gasparian, S. Grullon, K. Hafidi, W. Hinton, R.J. Holt, T. Horn, G.M. Huber, E. Hungerford, K. Joo, N. Kalantarians, C.E. Keppel, E.R. Kinney, V. Kubarovskiy, Y. Li, Y. Liang, M. Lu, A. Lung, D. Mack, S. Malace, P. Markowitz, P. McKee, D.G. Meekins, H. Mkrtchyan, J. Napolitano, G. Niculescu, I. Niculescu, A.K. Opper, P. Pamela, D.H. Potterveld, Paul E. Reimer, J. Reinhold, J. Roche, S.E. Rock, E. Schulte, E. Segbefia, C. Smith, G.R. Smith	Yes	2009	September	Phys. Rev. C 80, 035203 (2009) [23 pages]
<b>FY2010</b>						
JLAB-PHY-08-882	Model Analysis of the $p\pi^+\pi^-$ Electroproduction Reaction on the Proton	Viktor Mokeev; Volker Burkert; Tsung-Shung Lee; Latifa Elouadrhiri; Gleb Fedotov; Boris Ishkhanov	Yes	2009	October	Phys. Rev. C 80, 045212 (2009) [23 pages]
JLAB-PHY-09-1039	The extraction of $\phi$ -N total cross section from $d(\gamma, pK^+K^-)n$	X. Qian, W. Chen, H. Gao	Yes	2009	October	Physics Letters B, Volume 680, Issue 5, 12 October 2009, Pages 417-422
JLAB-PHY-09-1040	Photoproduction of $\pi^+\pi^-$ meson pairs on the proton	Marco Battaglieri, Raffaella De Vita, Adam Szczepaniak	Yes	2009	October	Phys. Rev. D 80, 072005 (2009) [19 pages]
JLAB-PHY-09-1053	Differential cross sections for the reactions $\gamma p \rightarrow p\eta$ and $\gamma p \rightarrow p\eta'$	M. Williams, Z. Krahn, D. Applegate, M. Bellis, C.A. Meyer, for the CLAS Collaboration	Yes	2009	October	Phys.Rev.C80:045213,2009
JLAB-PHY-09-1068	Photodisintegration of $^4\text{He}$ into $p+t$	R. Nasseripour, B.L. Berman, N. Benmouna, Y. Ilieva, J.-M. Laget	Yes	2009	October	Phys. Rev. C 80, 044603 (2009)

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-08-904	High Resolution Spectroscopy of $16N_{\Lambda}$ by Electroproduction	F. Cusanno, G.M. Urciuoli, A. Acha, P. Ambrozewicz, K.A. Aniol, P. Baturin, P.Y. Bertin, H. Benaoum, K.I. Blomqvist, W.U. Boeglin, H. Breuer, P. Brindza, P. Bydzovsky, A. Camsonne, C. Chang, C.C. Chang, J.-P. Chen, Seonho Choi, E.A. Chudakov, E. Cisbani, S. Colilli, L. Coman, B.J. Craver, G. De Cataldo, C.W. de Jager, R. De Leo, A.P. Deur, C. Ferdi, R.J. Feuerbach, E. Folts, R. Fratoni, S. Frullani, F. Garibaldi, O. Gayou, F. Giuliani, J. Gomez, M. Gricia, J.O. Hansen, D. Hayes, D.W. Higinbotham, T.K. Holmstrom, C.E. Hyde, H.F. Ibrahim, M. Iodice, X. Jiang, L.J. Kaufman, K. Kino, B. Kross, L. Lagamba, J.J. Leroze, R.A. Lindgren, M. Lucentini, D.J. Margaziotis, P. Markowitz, S. Marrone, Z.E. Meziani, K. McCormick, R.W. Michaels, D.J. Millener, T. Miyoshi, B. Moffit, P.A. Monaghan, M. Moteabbed, C.Munoz Camacho, S. Nanda, E. Nappi, V.V. Nelyubin, B.E. Norum, Y. Okaysu, K.D. Paschke, C.F. Perdrisat, E. Piasetzky, V.A. Punjabi, Y. Qiang, B. Raue, P.E. Reimer, J. Reinhold, B. Reitz, R.E. Roche, V.M. Rodriguez, A. Saha, F. Santavenere, A.J. Sarty, J. Segal, A. Shahinyan, J. Singh, S. Sirca, R. Snyder, P.H. Solvignon, M. Sotona, Miloslav Sotona, R. Subedi,	Yes	2009	November	Phys.Rev.Lett.103:202501,2009
JLAB-PHY-09-1067	Electroexcitation of nucleon resonances from CLAS data on single pion electroproduction	I. G. Aznauryan, V. D. Burkert	Yes	2009	November	Phys.Rev.C80:055203,2009
JLAB-PHY-09-956	New measurements of the EMC effect in very light nuclei	J. Seely, A. Daniel, D. Gaskell, J. Arrington, N. Fomin, P. Solvignon, R. Asaturyan, F. Benmokhtar, W. Boeglin, B. Boillat, P. Bosted, A. Bruell, M. H. S. Bukhari, M. E. Christy, B. Clasie, S. Connell, M. Dalton, D. Day, J. Dunne, D. Dutta, L. El Fassi, R. Ent, H. Fenker, B. W. Filippone, H. Gao, C. Hill, R.J. Holt, T. Horn, E. Hungerford, M.K. Jones, J. Jourdan, N. Kalantarians, C. E. Keppel, D. Kiselev, M. Kotulla, C. Lee, A. F. Lung, S. Malace, D. G. Meekins, T. Mertens, H. Mkrtchyan, T. Navasardyan, G. Niculescu, I. Niculescu, H. Nomura, Y. Okayasu, A.K. Opper, C. Perdrisat, D. H. Potterveld, V. Punjabi, X. Qian, P. E. Reimer, J. Roche, V. M. Rodriguez, O. Rondon, E. Schulte, E. Segbefia, K. Slifer, G. R. Smith, V. Tadevosyan, S. Tajima, L. Tang, G. Testa, R. Trojer, V. Tvaskis, A. Villano	Yes	2009	November	Phys.Rev.Lett.103:202301,2009

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-08-894	Nuclear Targets for a Precision Measurement of the Neutral Pion Radiative Width	P. Martel, E. Clinton, R. McWilliams, D. Lawrence, R. Miskimen, A. Ahmidouch, P. Ambrozewicz, A. Asratyan, K. Baker, L. Benton, A. Bernstein, P. Cole, P. Collins, D. Dale, S. Danagoulian, G. Davidenko, R. Demirchyan, A. Deur, A. Dolgolenko, G. Dzyubenko, A. Evdokimov, J. Feng, M. Gabrielyan, L. Gan, A. Gasparian, O. Glamazdin, V. Goryachev, V. Gyurjyan, K. Hardy, M. Ito, M. Khandaker, P. Kingsberry, A. Kolarkar, M. Konchatnyi, O. Korchin, W. Korsch, S. Kowalski, M. Kubantsev, V. Kubarovsky, I. Larin, V. Matveev, D. McNulty, B. Milbrath, R. Minehart, V. Mochalov, S. Mtingwa, I. Nakagawa, S. Overby, E. Pasyuk, M. Payen, R. Pedroni, Y. Prok, B. Ritchie, C. Salgado, A. Sitnikov, D. Sober, W. Stephens, A. Teymurazyan, J. Underwood, A. Vasiliev, V. Verebryusov, V. Vishnyakov, M. Wood	Yes	2009	December	Nucl.Instrum.Meth.A612:46-49,2009
JLAB-PHY-09-1049	Differential cross sections and spin density matrix elements for the reaction $\gamma p \rightarrow p \omega$	M. Williams, D. Applegate, M. Bellis, C.A. Meyer	Yes	2009	December	Phys. Rev. C 80, 065208 (2009)
JLAB-PHY-09-1052	Partial wave analysis of the reaction $\gamma p \rightarrow p \omega$ and the search for nucleon resonances	M. Williams, D. Applegate, M. Bellis, C.A. Meyer	Yes	2009	December	Phys. Rev. C 80, 065209 (2009) [18 pages]
JLAB-PHY-09-1071	A $\chi^2$ test used for particle identification with the Hall A RICH detector at Jlab	G.M. Urciuoli, E. Cisbani, F. Cusanno, R. De Leo, D. Di Bari, S. Frullani, F. Garibaldi, M. Iodice, L. Lagamba, J.J. LeRose, P. Markowitz, S. Marrone, B. Reitz	Yes	2009	December	Nucl.Instrum.Meth.A612:56-68,2009
JLAB-PHY-09-1128	Strange Quark Contributions to Parity-Violating Asymmetries in the Backward Angle G0 Electron Scattering Experiment.	D. Androic, D. S. Armstrong, J. Arvieux†, S. L. Bailey, D. H. Beck, E. J. Beise, J. Benesch, F. Benmokhtar, L. Bimbot, J. Birchall, P. Bosted, H. Breuer, C. L. Capuano, Y.-C. Chao, A. Coppens, C. A. Davis, C. Ellis, G. Flores, G. Franklin, C. Furget, D. Gaskell, M. T. W. Gericke, J. Grames, G. Guillard, J. Hansknecht, T. Horn, M. Jones, P. M. King, W. Korsch, S. Kox, L. Lee, J. Liu, A. Lung, J. Mammei, J. W. Martin, R. D. McKeown, M. Mihovilovic, A. Micherdzinska, H. Mkrtychyan, M. Muether, S. A. Page, V. Papavassiliou, S. F. Pate, S. K. Phillips, P. Pillot, M. L. Pitt, M. Poelker, B. Quinn, W. D. Ramsay, J.-S. Real, J. Roche, P. Roos, J. Schaub, T. Seva, N. Simicevic, G. R. Smith, D. T. Spayde, M. Stutzman, R. Suleiman, V. Tadevosyan, W. T. H. van Oers, M. Versteegen, E. Voutier, W. Vulcan, S. P. Wells, S. E. Williamson,	Yes	2010	January	Phys.Rev.Lett.104:012001,2010.
JLAB-PHY-09-1050	Hard Photodisintegration of a Proton Pair	Shay Pomerantz	Yes	2010	February	Phys.Lett.B684:106-109,2010.
JLAB-PHY-09-1103	Differential cross section and recoil polarization measurements for the $\gamma p \rightarrow K^+ \Lambda$ reaction using CLAS at Jefferson Lab	M.E. McCracken, M. Bellis, C.A. Meyer, M. Williams	Yes	2010	February	Phys.Rev.C81:025201,2010.

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JLAB-PHY-07-627	Observation of a backward peak in the gamma d $\rightarrow$ $\pi^0$ d cross- section near the eta threshold	Yordanka Ilieva; Barry Berman; Alexander Kudryavtsev; I.I. Strakovsky; V.E. Tarasov; Moscov Amaryan; Pawel Ambrozewicz; Marco Anghinolfi; G. Asryan; Harutyun Avakian; Hovhannes Baghdasaryan; Nathan Baillie; Jacques Ball; Nathan Baltzell; V. Baturine; Mar	Yes	2010	March	Eur.Phys.J. A43 (2010) 261-267
JLAB-PHY-10-1154	Transverse momentum dependent distribution functions in the bag model	H. Avakian, A. V. Efremov, P. Schweitzer, F. Yuan	Yes	2010	April	Phys.Rev.D81:074035,2010
JLAB-PHY-08-02	Empirical Fit to Precision Inclusive Electron-Proton Cross Sections in the Resonance Region	M.E. Christy; Peter Bosted	Yes	2010	May	Phys. Rev. C 81, 055213 (2010) [8 pages]
JLAB-PHY-09-1048	Study of the $A(e,e'\pi^+\pi^0)$ Reaction on $^1\text{H}$ , $^2\text{H}$ , $^{12}\text{C}$ , $^{27}\text{Al}$ , $^{63}\text{Cu}$ and $^{197}\text{Au}$	X. Qian, T. Horn, B. Clasio, J. Arrington, R. Asaturyan, F. Benmokhtar, W. Boeglin, P. Bosted, A. Bruell, M. E. Christy, E. Chudakov, M. M. Dalton, A. Daniel, D. Day, D. Dutta, L. El Fassi, R. Ent, H. C. Fenker, J. Ferrer, N. Fomin, H. Gao, K. Garrow, D. Gaskell, C. Gray, G. M. Huber, M. K. Jones, N. Kalantarians, C. E. Keppel, K. Kramer, Y. Li, Y. Liang, A. F. Lung, S. Malace, P. Markowitz, A. Matsumura, D. G. Meekins, T. Mertens, T. Miyoshi, H. Mkrtchyan, R. Monson, T. Navasardyan, G. Niculescu, I. Niculescu, Y. Okayasu, A. K. Opper, C. Perdrisat, V. Punjabi, A. W. Rauf, V. M. Rodriguez, D. Rohe, J. Seely, E. Segbefia, G. R. Smith, M. Sumihama, V. Tadevosyan, L. Tang, A. Villano, W. F. Vulcan, F. R. Wesselmann, S. A. Wood, L. Yuan, X. Zheng	Yes	2010	May	Phys.Rev.C81:055209,2010
JLAB-PHY-09-1101	Differential cross section of gamma n to K+ Sigma- bound neutrons with incident photons from 1.1 to 3.6 GeV	S. Anefalos Pereira, M. Mirazita, P. Rossi, E. De Sanctis, G. Niculescu, I. Niculescu, S. Stepanyan	Yes	2010	May	Phys.Lett.B688:289-293,2010
JLAB-PHY-09-1108	Cross sections and Rosenbluth separations in $1\text{H}(e, e'K^+)\text{Lambda}$ up to $Q^2=2.35 \text{ GeV}^2$	M. Coman, P. Markowitz, K.A. Aniol, K. Baker, W.U. Boeglin, H. Breuer, P. Bydzovsky, A. Camsonne, J. Cha, C. Chang, C.C. Chang, N. Chant, J.-P. Chen, E.A. Chudakov, E. Cisbani, L. Cole, F. Cusanno, C.W. de Jager, R. De Leo, A.P. Deur, S. Dieterich, F. Dohrmann, D. Dutta, R. Ent, O. Filoti, K. Fissum, S. Frullani, F. Garibaldi, O. Gayou, F. Gilman, J. Gomez, P. Gueye, J.O. Hansen, D.W. Higinbotham, W. Hinton, T. Horn, B. Hu, G.M. Huber, M. Iodice, C. Jackson, X. Jiang, M. Jones, K. Kanda, C. Keppel, P. King, F. Klein, K. Kozlov, K. Kramer, L. Kramer, L. Lagamba, J.J. LeRose, N. Liyanage, D.J. Margaziotis, S. Marrone, K. McCormick, R.W. Michaels, J. Mitchell, T. Miyoshi, S. Nanda, M. Palomba, V. Pattichio, C.F. Perdrisat, E. Piasetzky, V.A. Punjabi, B. Raue, J. Reinhold, B. Reitz, R.E. Roche, P. Roos, A. Saha, A.J. Sarty, Y. SATO, S. Sirca, M. Sotona, Miloslav Sotona, L. Tang, H. Ueno, P.E. Ulmer, G.M. Urciuoli, A. Uzzle, A. Vacheret, K. Wang, K. Wijesooriya, B. Wojtsekhowski, S. Wood, I. Yaron, X. Zheng, L.	Yes	2010	May	Phys. Rev. C 81, 052201(R) (2010) [5 pages]

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1122	The proton and deuteron F2 structure function at low Q2	Vladas Tvaskis, John Arrington, Razmik Asaturyan, Oliver Baker, Henk Blok, Peter Bosted, Melissa Boswell, Antje Bruell, Michael Christy, Anthony Cochran, Rolf Ent, Bradley Filippone, Ashot Gasparian, Cynthia Keppel, Edward Kinney, L. Lapikas, Wolfgang Lorenzon, David Mack, Juliette Mammei, J.W. Martin, Hamlet Mkrtchyan, Maria-Ioana Niculescu, Rodney Piercey, David Potterveld, Gregory Smith, Kurt Spurlock, Gerard Van der Steenho, Gerard Van der Steenhoven, Gerard Van der Steenho, Gerard Van der Steenhoven, Stepan Stepanyan, Vardan Tadevosyan, Stephen Wood	Yes	2010	May	Phys. Rev. C 81, 055207 (2010) [7 pages]
JLAB-PHY-10-1128	Nonperturbative QCD Coupling and its $\beta$ -function from Light-Front Holography	Stanley J. Brodsky, Guy F. de Téramond, Alexandre Deur	Yes	2010	May	Phys.Rev.D81: 096010,2010
JLAB-PHY-10-1131	Generalized Parton Distributions from Deep Virtual Compton Scattering at CLAS	M. Guidal	Yes	2010	May	Phys.Lett.B689:156-162,2010
JLAB-PHY-09-916	The Superconducting Horizontal Bend Magnet for the Jefferson Lab's 11 GeV/c Super High Momentum Spectrometer	S. Chouhan, J. DeKamp, A. Zeller, P. Brindza, S. Lassiter, M. Fowler, E. Sun	Yes	2010	June	IEEE Transactions on Applied Superconductivity 20 (3), 226-229
JLAB-PHY-10-1155	Recoil Polarization Measurements of the Proton Electromagnetic Form Factor Ratio to $Q^2 = 8.5 \text{ GeV}^2$	A. J. R. Puckett, E. J. Brash, M. K. Jones, W. Luo, M. Meziane, L. Pentchev, C. F. Perdrisat, V. Punjabi, F. R. Wesselmann, A. Ahmidouch, I. Albayrak, K. A. Aniol, J. Arrington, A. Asaturyan, H. Baghdasaryan, F. Benmokhtar, W. Bertozzi, L. Bimbot, P. Bosted, W. Boeglin, C. Butuceanu, P. Carter, S. Chernenko, E. Christy, M. Commisso, J. C. Cornejo, S. Covrig, S. Danagoulian, A. Daniel, A. Davidenko, D. Day, S. Dhamija, D. Dutta, R. Ent, S. Frullani, H. Fenker, E. Frlez, F. Garibaldi, D. Gaskell, S. Gilad, R. Gilman, Y. Goncharenko, K. Hafidi, D. Hamilton, D. W. Higinbotham, W. Hinton, T. Horn, B. Hu, J. Huang, G. M. Huber, E. Jensen, C. Keppel, M. Khandaker, P. King, D. Kirillov, M. Kohl, V. Kravtsov, G. Kumbartzki, Y. Li, V. Mamyran, D. J. Margaziotis, A. Marsh, Y. Matulenko, J. Maxwell, G. Mbianda, D. Meekins, Y. Melnik, J. Miller, A. Mkrtchyan, H. Mkrtchyan, B. Moffit, O. Moreno, J. Mulholland, A. Narayan, S. Nedev, Nuruzzaman, E. Piasetzky, W. Pierce, N. M. Piskunov, Y. Prok, R. D. Ransome, D. S. Razin, P. Reimer, J. Reinhold, O. Rondon, M. Shabestari, A. Shahinyan, K. Shestermanov, S. Sirca, I. Sitnik, L. Smykov, G. Smith, L. Solovveyev,	Yes	2010	June	Phys. Rev. Lett. 104, 242301 (2010) [6 pages]
JLAB-PHY-10-1298	Coupled Transient Finite Element Simulation of Quench in Jefferson Lab's 11 GeV Super High Momentum Spectrometer Superconducting Magnets	E. Sun, P. Brindza, S. Lassiter, M. Fowler, E. Xu	Yes	2010	June	IEEE Transactions on Applied Superconductivity 20 (3), 2168-2171
JLAB-PHY-10-1127	Polarization Transfer in the $4\text{He}(e,e'p)3\text{H}$ Reaction at $Q^2 = 0.8$ and $1.3 \text{ (GeV/c)}^2$	M. Paolone, S.P. Malace, S. Strauch	Yes	2010	August	Phys. Rev. Lett. 105, 072001 (2010) [5 pages]

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JLAB-PHY-10-1183	Differential cross sections and recoil polarizations for the reaction $\gamma p \rightarrow K^+ \Sigma^0$	Biplab Dey, Curtis Meyer, Matthew Bellis, Michael McCracken, Michael Williams	Yes	2010	August	Phys.Rev.C82:025202,2010
JLAB-PHY-08-893	Probing Quark-Gluon Interactions with Transverse Polarized Scattering	K. Slifer, O.A. Rondon, A. Aghalaryan, A. Ahmidouch, R. Asaturyan, F. Bloch, W. Boeglin, P. Bosted, C. Carasco, R. Carlini, J. Cha, J.P. Chen, M.E. Christy, L. Cole, L. Coman, D. Crabb, S. Danagoulian, D. Day, J. Dunne, M. Elaasar, R. Ent, H. Fenker, E. F	Yes	2010	September	Phys.Rev.Lett.105:101601,2010
JLAB-PHY-10-1156	Absorption of the omega and phi Mesons in Nuclei	M. H. Wood, R. Nasseripour, M. Paolone, C. Djalali, D. P. Weygand, the CLAS Collaboration	Yes	2010	September	Phys.Rev.Lett.105:112301,2010
<b>FY2011</b>						
JLAB-PHY-10-1123	Moments of Spin Structure Functions: Sum Rules and Polarizabilities	Jian-Ping Chen	Yes	2010	October	International Journal of Modern Physics E, 19, 1893-1921 (October 2010)
JLAB-PHY-10-1314	The GlueX central drift chamber: Design and performance	Y. Van Haarlem, C.A. Meyer, F. Barbosa, B. Dey, D. Lawrence, V. Razmyslovich, E. Smith, G. Visser, T. Whitlatch, G. Wilkin, B. Zihlmann	Yes	2010	October	Nuclear Instruments and Methods A, 622 (1), 143-156 (October 2010)
JLAB-PHY-10-1315	Precision timing measurement of phototube pulses using a flash analog-to-digital converter	J.V. Bennett, M. Kornicer, M.R. Shepherd, M.M. Ito	Yes	2010	October	Nuclear Instruments and Methods A, 622 (1), 225-230 (October 2010)
JLAB-PHY-10-1132	Measurement of the Nucleon Structure Function F2 in the Nuclear Medium and Evaluation of its Moments	M. Osipenko, CLAS Collaboration	Yes	2010	November	Nucl.Phys.A845:1-32,2010
JLAB-PHY-10-1159	Properties of the Lambda(1520) Resonance from High-Precision Electroproduction Data	Ji Qiang, Yakov Azimov, Igor Strakovski, Haiyan Gao, Douglas Higinbotham, Vladimir Nelyubin, Wilbert Briscoe	Yes	2010	November	Phys.Lett.B694:123-128,2010
JLAB-PHY-10-1237	Tensor Correlations Measured in $^3\text{He}(e,e'p)n$	H. Baghdasaryan, L.B. Weinstein, J.M. Laget, K.P. Adhikari, M. Aghasyan, M. Amarian, M. Anghinolfi, H. Avakian, J. Ball, M. Battaglieri, I. Bedlinskiy, B.L. Berman, A.S. Biselli, C. Bookwalter, W.J. Briscoe, W.K. Brooks, S. Bültmann, V.D. Burkert, D.S. Carman, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. DeVita, E. DeSanctis, A. Deur, B. Dey, R. Dickson, C. Djalali, G.E. Dodge, D. Doughty, R. Dupre, H. Egiyan, A. El Alaoui, L. El Fassi, P. Eugenio, S. Fegan, M.Y. Gabrielyan, G.P. Gilfoyle, K.L. Giovanetti, W. Gohn, R.W. Gothe, K.A. Griffioen, M. Guidal, L. Guo, V. Gyurjyan, H. Hakobyan, C. Hanretty, C.E. Hyde, K. Hicks, M. Holtrop, Y. Ilieva, D.G. Ireland, K. Joo, D. Keller, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, A. Klein, F.J. Klein, P. Konczykowski, V. Kubarovskiy, S.E. Kuhn, S.V. Kuleshov, V. Kuznetsov, N.D. Kvaltine, K. Livingston, H.Y. Lu, I.J.D. MacGregor, N. Markov, M. Mayer, J. McAndrew, B. McKinnon, C.A. Meyer, K. Mikhailov, V. Mokeev, B. Moreno, K. Moriya, B. Morrison, H. Moutarde, E. Munevar, P. Nadel-	Yes	2010	November	Phys. Rev. Lett. 105, 222501 (2010) [5 pages]

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1238	Scaling of the F <sub>2</sub> structure function in nuclei and quark distributions at x>1	N. Fomin, J. Arrington, D. B. Day, D. Gaskell, A. Daniel, J. Seely, R. Asaturyan, F. Benmokhtar, W. Boeglin, B. Boillat, P. Bosted, A. Bruell, M. H. S. Bukhari, M. E. Christy, E. Chudakov, B. Clasio, S. H. Connell, M. M. Dalton, D. Dutta, R. Ent, L. El Fassi, H. Fenker, B. W. Filippone, K. Garrow, C. Hill, R. J. Holt, T. Horn, M. K. Jones, J. Jourdan, N. Kalantarians, C. E. Keppel, D. Kiselev, M. Kotulla, R. Lindgren, A. F. Lung, S. Malace, P. Markowitz, P. McKee, D. G. Meekins, T. Miyoshi, H. Mkrtychyan, T. Navasardyan, G. Niculescu, Y. Okayasu, A. K. Opper, C. Perdrisat, D. H. Potterveld, V. Punjabi, X. Qian, P. E. Reimer, J. Roche, V.M. Rodriguez, O. Rondon, E. Schulte, E. Segbefia, K. Slifer, G. R. Smith, P. Solvignon, V. Tadevosyan, S. Tajima, L. Tang, G. Testa, R. Trojer, V. Tvaskis, W. F. Vulcan, C. Wasko, F. R. Wesselmann, S. A. Wood, J. Wright, X. Zheng	Yes	2010	November	Phys.Rev.Lett.105:212502,2010.
JLAB-PHY-10-1239	Convergence Studies of Thermal and Electromagnetic Transient Quench Analysis of 11 GeV Super High Momentum Spectrometer Superconducting Magnets in Jefferson Lab	Eric Sun, Paul Brindza, Steve Lassiter, Mike Fowler, E. Xu	Yes	2010	November	IEEE Transactions on Applied Superconductivity, 99, 1 (25 November 2010)
JLAB-PHY-11-03	Electroweak radiative corrections for polarized Moller scattering at future 11 GeV JLab experiment	Aleksandrs Aleksejevs, Svetlana Barkanova, Alexander Ilyichev, Vladimir Zykunov	Yes	2010	November	Phys.Rev.D82:093013,2010
JLAB-PHY-10-1157	Measurement of Single and Double Spin Asymmetries in Deep Inelastic Pion Electroproduction with a Longitudinally Polarized Target	H.Avakian, P.Bosted, V.D.Burkert, L.Elouadrhiri, K. P. Adhikari, M.Aghasyan, M.Amaryan, M.Anghinolfi, H.Baghdasaryan, J.Ball, M.Battaglieri, I.Bedlinskiy, A.S.Biselli, D.Branford, W.J.Briscoe, W.Brooks, D.S.Carman, L.Casey, P.L.Cole, P.Collins, D.Crabb, V.Crede, A.D'Angelo, A.Daniel, N.Dashyan, R.DeVita, E.DeSanctis, A.Deur, B.Dey, S.Dhamija, R.Dickson, C.Djalali, G.Dodge, D.Doughty, R.Dupre, A.ElAlaoui, P.Eugenio, S.Fegan, R.Fersch, T.A.Forest, A.Fradi, M.Y.Gabrielyan, G.Gavalian, N.Gevorgyan, G.P.Gilfoyle, K.L.Giovanetti, F.X.Girod, W.Gohn, R.W.Gothe, K.A.Griffioen, M.Guidal, N.Guler, L.Guo, K.Hafidi, H.Hakobyan, C.Hanretty, N.Hassall, D.Heddle, K.Hicks, M.Holtrop, Y.Ilieva, D.G.Ireland, E.L.Isupov, S.S.Jawalkar, H.S.Jo, K.Joo, D.Keller, M.Khandaker, P.Khetarpal, W.Kim, A.Klein, F.J.Klein, P.Konczykowski, V.Kubarovsky, S.E.Kuhn, S.V.Kuleshov, V.Kuznetsov, K.Livingston, H.Y.Lu, N.Markov, M.Mayer, J.McAndrew, M.E.McCracken, B.McKinnon, C.A.Meyer, T.Mineeva, M.Mirazita, V.Mokeev, B.Moreno, K.Moriya, B.Morrison, H.Moutarde, E.Munevar, P.Nadel-Turonski, R.Nasseripour, S. Niccolai, G. Niculescu, I. Niculescu,	Yes	2010	December	Phys.Rev.Lett.105:262002,2010.



## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1201	Measurements of the Electric Form Factor of the Neutron up to $Q^2 = 3.4 \text{ GeV}^2$ using the Reaction $\text{He-3}(e,e'n)pp$	Seamus Riordan, Sergey Abrahamyan, Brandon Craver, Aidan Kelleher, Ameya Kolarkar, Jonathan Miller, Gordon Cates, Nilanga Liyanage, Bogdan Wojtsekhowski, Armando Acha Quimper, Kalyan Allada, Bryon Anderson, Konrad Aniol, John Annand, John Arrington, Todd Averett, Arie Beck, Matthew Bellis, Werner Boeglin, Herbert Breuer, John Calarco, Jian-Ping Chen, Eugene Chudakov, Luminita Coman, Benjamin Crowe, Francesco Cusanno, Donal Day, Pavel Degtiarenko, P.A.M. Dolph, Chiranjib Dutta, Catherine Ferdi, Cezar Fernandez-Ramirez, Robert Feuerbach, Luis Fraile Prieto, Gregg Franklin, Salvatore Frullani, Sabine Fuchs, Franco Garibaldi, Nerses Gevorgyan, Ronald Gilman, Oleksandr Glamazdin, Javier Gomez, Klaus Grimm, Jens-Ole Hansen, Joaquin Lopez Herraiz, Douglas Higinbotham, Richard Holmes, Timothy Holmstrom, David Howell, Cornelis De Jager, Xiaodong Jiang, Mark Jones, Joseph Katich, Lisa Kaufman, Mahbubul Khandaker, James Kelly, Daniela Kiselev, Wolfgang Korsch, John LeRose, Pete Markowitz, Demetrius Margaziotis, Sharon May-Tal Beck, Samvel Mayilyan, Kathy McCormick, Zein-Eddine Meziani, Robert Michaels, Bryan Moffit, Sirish Nanda,	Yes	2010	December	Phys.Rev.Lett.105:262302,2010
JLAB-PHY-10-1234	A precise extraction of the induced polarization in the $4\text{He}(e,e'p)3\text{H}$ reaction	S.P. Malace, M. Paolone, S. Strauch	Yes	2011	January	Phys.Rev.Lett.106:052501,2011
JLAB-PHY-10-1278	Transverse Spin Structure of the Nucleon through Target Single Spin Asymmetry in Semi-Inclusive Deep-Inelastic $\$(e,e'\prime \pi^{\pm})\$$ Reaction at Jefferson Lab	H. Gao, L. Gamberg, J.-P. Chen, X. Qian, Y. Qiang, M. Huang, A. Afanasev, M. Anselmino, H. Avakian, G. Cates, E. Chudakov, E. Cisbani, C. de Jager, F. Garibaldi, B.T. Hu, X. Jiang, K.S. Kumar, X.M. Li, H.J. Lu, Z.-E. Meziani, B.-Q. Ma, Y.J. Mao, J.-C. Peng, A. Prokudin, M. Schlegel, P. Souder, Z.G. Xiao, Y. Ye, L. Zhu	Yes	2011	January	Eur. Phys. J. Plus (2011) 126: 2
JLAB-PHY-10-1124	An Electron Fixed Target Experiment to Search for a New Vector Boson $A'$ Decaying to $e^+e^-$	Rouven Essig, Philip Schuster, Natalia Toro, Bogdan Wojtsekhowski	Yes	2011	February	JHEP 1102:009,2011

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1134	Exclusive Neutral Pion Electroproduction in the Deeply Virtual Regime	E. Fuchey, A. Camsonne, C. Munoz Camacho, M. Mazouz, G. Gavalian, E. Kuchina, M. Amarian, K. A. Aniol, M. Beaumel, H. Benaoum, P. Bertin, M. Brossard, M. Canan, J.-P. Chen, E. Chudakov, B. Craver, F. Cusanno, C.W. de Jager, A. Deur, C. Ferdi, R. Feuerbach, J.-M. Fieschi, S. Frullani, M. Garçon, F. Garibaldi, O. Gayou, R. Gilman, J. Gomez, P. Gueye, P.A.M. Guichon, B. Guillon, O. Hansen, D. Hayes, D.W. Higinbotham, T. Holmstrom, C.E. Hyde, H. Ibrahim, R. Igarashi, F. Itard, X. Jiang, H.S. Jo, L.J. Kaufman, A. Kelleher, A. Kolarkar, G. Kumbartzki, G. Laveissiere, J.J. LeRose, R. Lindgren, N. Liyanage, H.-J. Lu, D.J. Margaziotis, Z.-E. Meziani, K. McCormick, R. Michaels, B. Michel, B. Moffit, P. Monaghan, S. Nanda, V. Nelyubin, M. Potokar, Y. Qiang, R.D. Ransome, J.-S. R'éal, B. Reitz, Y. Roblin, J. Roche, F. Sabati'e, A. Saha, S. Sirca, K. Slifer, P. Solvignon, R. Subedi, V. Sulkosky, P.E. Ulmer, E. Voutier, K. Wang, L.B. Weinstein, B. Wojtsekhowski, X. Zheng, L. Zhu	Yes	2011	February	Phys.Rev.C83:025201,2011.
JLAB-PHY-10-1227	Short Range Correlations and the EMC Effect	L.B. Weinstein, E. Piassetzky, D.W. Higinbotham, J. Gomez, O. Hen, R. Shneor	Yes	2011	February	Phys. Rev. Lett. 106, 052301 (2011) [4 pages]
JLAB-PHY-10-1235	Near-threshold Photoproduction of Phi Mesons from Deuterium	X. Qian, W. Chen, H. Gao, K. Hicks, K. Kramer, J.M. Laget, T. Mibe, Y. Qiang, S. Stepanyan, D.J. Tedeschi, W. Xu, K.P. Adhikari, M. Amarian, M. Anghinolfi, J. Ball, M. Battaglieri, V. Batourine, I. Bedlinskiy, M. Bellis, A.S. Biselli, C. Bookwalter, D. Branford, W.J. Briscoe, W.K. Brooks, V.D. Burkert, S.L. Careccia, D.S. Carman, P.L. Cole, P. Collins, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. De Vita, E. De Sanctis, A. Deur, B. Dey, S. Dhamija, C. Djalali, D. Doughty, R. Dupre, H. Egiyan, A. El Alaoui, P. Eugenio, S. Fegan, M.Y. Gabrielyan, N. Gevorgyan, G.P. Gilfoyle, K.L. Giovanetti, F.X. Girod, J.T. Goetz, W. Gohn, R.W. Gothe, L. Graham, K.A. Griffioen, M. Guidal, L. Guo, K. Hafidi, H. Hakobyan, C. Hanretty, N. Hassall, M. Holtrop, Y. Ilieva, D.G. Ireland, S.S. Jawalkar, H.S. Jo, K. Joo, D. Keller, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, A. Klein, F.J. Klein, P. Konczykowski, V. Kubarovskiy, S.V. Kuleshov, V. Kuznetsov, K. Livingston, D. Martinez, M. Mayer, J. McAndrew, M.E. McCracken, B. McKinnon, C.A. Meyer, K. Mikhailov, T. Mineeva, M. Mirazita, V. Mokeev, B. Moreno, K. Moriya, B.	Yes	2011	February	Phys.Lett.B696:338-342,2011
JLAB-PHY-10-1246	Performance tests of large thin vacuum windows	Hall Crannell	Yes	2011	February	Nuclear Instruments & Methods in Physics Research, Section A, Volume 629, Issue 1, 11 February 2011. Pages 387–391

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1133	Polarization observables in deuteron photodisintegration below 360 MeV	Jacqueline Glistler,Guy Ron,Byungwuek Lee,R. Gilman,Adam Sarty,Steffen Strauch,Douglas Higinbotham,Eliazer Piassetzky,Kalyan Allada,Whitney Armstrong,John Arrington,Arie Beck,Fatiha Benmokhtar,Barry Berman,Werner Boeglin,Edward Brash,Alexandre Camsonne,John Calarco,Jian-Ping Chen,Seonho Choi,Eugene Chudakov,Luminita Coman,Brandon Craver,Francesco Cusanno,Jonathan Dumas,Chiranjib Dutta,Robert Feuerbach,Arne Freyberger,Salvatore Frullani,Franco Garibaldi,Jens-Ole Hansen,Timothy Holmstrom,Charles Hyde,Hassan Ibrahim,Yordanka Ilieva,Cornelis De Jager,Xiaodong Jiang,Mark Jones,Hoyoung Kang,Aidan Kelleher,Elena Khrosinkova,Elena Kuchina,Gerfried Kumbartzki,John LeRose,Richard Lindgren,Pete Markowitz,S.May-Tal Beck,Emily McCullough,David Meekins,Mehdi Meziane,Zein-Eddine Meziani,Robert Michaels,Bryan Moffit,Blaine Norum,Yongseok OH,Yongseok Oh,Yongseok OH,Yongseok Oh,Yongseok OH,Yongseok Oh,Yongseok Oh,Yongseok Oh,Yongseok Oh,Yongseok Oh,Michael Olson,Michael Paolone,Kent Paschke,Charles Perdrisat,Milan Potokar,Roman Pomatsalyuk,Ishay Pomerantz,Andrew Puckett,Vina Punjabi,Xin Qian,Yi Qiang,Ronald Ransome,Meral Reyhan,Julie Roche,Yannick	Yes	2011	March	Physics Letters B, Volume 697, Issue 3, 7 March 2011, Pages 194-198
JLAB-PHY-10-1231	Coherent Photoproduction of $\pi^+$ from $^3\text{He}$	Rakhsha Nasseripour, Barry Berman	Yes	2011	March	Phys. Rev. C 83, 034001 (2011) [11 pages]
JLAB-PHY-10-1280	Search for effects beyond the Born approximation in polarization transfer observables in $\vec{e}p$ elastic scattering	M. Meziane, E. J. Brash, R. Gilman, M. K. Jones, W. Luo, L. Pentchev, C. F. Perdrisat, A. J. R. Puckett, V. Punjabi, F. R. Wesselmann, A. Ahmidouch, I. Albayrak, K. A. Aniol, J. Arrington, A. Asaturyan, O. Ates, H. Baghdasaryan, F. Benmokhtar, W. Bertozzi, L. Bimbot, P. Bosted, W. Boeglin, C. Butuceanu, P. Carter, S. Chernenko, E. Christy, M. Commisso, J. C. Cornejo, S. Covrig, S. Danagoulian, A. Daniel, A. Davidenko, D. Day, S. Dhamija, D. Dutta, R. Ent, S. Frullani, H. Fenker, E. Frliez, F. Garibaldi, D. Gaskell, S. Gilad, Y. Goncharenko, K. Hafidi, D. Hamilton, D. W. Higinbotham, W. Hinton, T. Horn, B. Hu, J. Huang, G. M. Huber, E. Jensen, H. Kang, C. Keppel, M. Khandaker, P. King, D. Kirillov, M. Kohl, V. Kravtsov, G. Kumbartzki, Y. Li, V. Mamyán, D. J. Margaziotis, P. Markowitz, A. Marsh, Y. Matulenko, J. Maxwell, G. Mbianda, D. Meekins, Y. Melnik, J. Miller, A. Mkrтчyan, H. Mkrтчyan, B. Moffit, O. Moreno, J. Mulholland, A. Narayan, Nuruzzaman, S. Nedev, E. Piassetzky, W. Pierce, N. M. Piskunov, Y. Prok, R. D. Ransome, D. S. Razin, P. E.	Yes	2011	March	Phys.Rev.Lett.106:132501,2011

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1368	Transverse-momentum-dependent parton distribution/fragmentation functions at an electron-ion collider	M. Anselmino, H. Avakian, D. Boer, F. Bradamante, M. Burkardt, J. P. Chen, E. Cisbani, M. Contalbrigo, D. Crabb, D. Dutta, L. Gamberg, H. Gao, D. Hasch, J. Huang, M. Huang, Z. Kang, C. Keppel, G. Laskaris, Z. -T. Liang, M. X. Liu, N. Makins, R. D. Mckeown, A. Metz, Z. -E. Meziani, B. Musch, J. -C. Peng, A. Prokudin, X. Qian, Y. Qiang, J. W. Qiu, P. Rossi, P. Schweitzer, J. Soffer, V. Sulkosky, Y. Wang, B. Xiao, Q. Ye, Q. -J. Ye, F. Yuan, X. Zhao, Y. Zhang, W. Zheng, J. Zhou	Yes	2011	March	Eur.Phys.J.A,47(3),35
JLAB-PHY-10-1184	Pion-induced Drell-Yan processes and the flavor-dependent EMC effect	D. Dutta, J.-C. Peng, I. C. Cloet, D. Gaskell	Yes	2011	April	Phys.Rev.C83:042201,2011.
JLAB-PHY-10-1229	A New Measurement of the $\pi^0$ Radiative Decay Width	I. Larin, D. McNulty, E. Clinton, P. Ambrozewicz, D. Lawrence, I. Nakagawa, Y. Prok, A. Teymurazyan, A. Ahmidouch, K. Baker, L. Benton, A. M. Bernstein, V. Burkert, P. Cole, P. Collins, D. Dale, S. Danagoulian, G. Davidenko, R. Demirchyan, A. Deur, A. Dolgolenko, Georgiy Dzyubenko, R. Ent, A. Evdokimov, J. Feng, M. Gabrielyan, L. Gan, A. Gasparian, S. Gevorkyan, A. Glamazdin, V. Goryachev, V. Gyurjyan, K. Hardy, J. He, M. Ito, L. Jiang, D. Kashy, M. Khandaker, P. Kingsberry, A. Kolarkar, M. Konchatnyi, W. Korsch, S. Kowalski, M. Kubantsev, V. Kubarovsky, X. Li, P. Martel, B. Mecking, B. Milbrath, R. Minehart, R. Miskimen, V. Mochalov, S. Mtingwa, S. Overby, E. Pasyuk, M. Payen, R. Pedroni, B. Ritchie, T. E. Rodrigues, C. Salgado, A. Shahinyan, A. Sitnikov, D. Sober, S. Stepanyan, W. Stephens, J. Underwood, V. Vishnyakov, M. Wood	Yes	2011	April	Phys.Rev.Lett.106:162303,2011 [5 pages]
JLAB-PHY-11-1326	PVDIS at 12 GeV at JLab	Paul Souder	Yes	2011	April	Hyperfine Interactions
JLAB-PHY-11-1330	Electromagnetic Decay of the $\Sigma^0(1385)$ to $\Lambda\gamma$	D. Keller, K. Hicks	Yes	2011	April	Phys.Rev.D83:072004,2011
JLAB-PHY-11-1486	Intraoperative Imaging Guidance for Sentinel Node Biopsy in Melanoma Using a Mobile Gamma Camera	Lynn T. Dengel, Mitali J. More, Patricia G. Judy, Gina R. Petroni, Mark E. Smolkin, Patrice K. Rehm, Stan Majewski, Mark B. Williams, Craig L. Slingluff Jr.	Yes	2011	April	Annals of Surgery, 253 (4), 774–778 April 2011
JLAB-PHY-10-1228	Nal (TI) Calorimeter Calibration and Simulation for Coulomb Sum Rule Experiment in Hall-A at Jefferson Lab	Xinhu Yan, Alexandre Camsonne, Jian-Ping Chen, Seonho Choi, Hai-jiang Lu, Zein-Eddine Meziani, Yoomin Oh, Vince Sulkosky, Vincent Sulkosky, Yunxiu Ye, Huan Yao	Yes	2011	May	Chin.Phys.C35:488-493,2011
JLAB-PHY-10-1236	Polarization observables in the longitudinal basis for pseudo-scalar meson photoproduction using a density matrix approach	Biplab Dey, Michael E. McCracken, David G. Ireland, Curtis A. Meyer	Yes	2011	May	Phys. Rev. C 83, 055208 (2011) [11 pages]
JLAB-PHY-09-1051	Short-Distance Structure of Nuclei	Douglas Higinbotham, Eliazer Piasetzky, Stephen Wood	Yes	2011	June	J.Phys.Conf.Ser.299:012010,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1315	Nucleon Form Factors - A Jefferson Lab Perspective	John Arrington, Kees de Jager, Charles F. Perdrisat	Yes	2011	June	Published in J.Phys.Conf.Ser.299:012002,2011 20 pages, 9 figures; Chapter in the book "A decade of Physics at Jefferson Lab", to be published in Journal of Physics: Conference Series
JLAB-PHY-11-1325	Flavor decomposition of the elastic nucleon electromagnetic form factors	E.D. Cates, C.W. Jager, S. Riordan, B. Wojtsekhowski	Yes	2011	June	Phys. Rev. Lett. 106, 252003 (2011) [4 pages]
JLAB-PHY-11-1333	Medium Modifications of Hadron Properties and Partonic Processes	W. K. Brooks, S. Strauch, K. Tsushima	Yes	2011	June	J.Phys.Conf.Ser.299:012011,2011. (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1351	Hypernuclear spectroscopy	F. Garibaldi, O. Hashimoto, J.J. LeRose, P. Markowitz, S.N. Nakamura, J. Reinhold, L. Tang	Yes	2011	June	J.Phys.Conf.Ser.299:012013,2011. (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1352	Searches for physics beyond the standard model	Julie Roche, Willem T H van Oers, Ross D Young	Yes	2011	June	J.Phys.Conf.Ser.299:012012,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1353	Transition to perturbative QCD	Ronald Gilman, Roy Holt, Paul Stoler	Yes	2011	June	J.Phys.Conf.Ser.299:012009,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1354	Spin structure functions	Jian-ping Chen, Alexandre Deur, Sebastian Kuhn, Zein-eddine Meziani	Yes	2011	June	J.Phys.Conf.Ser.299:012005,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1355	Strange vector form factors from parity-violating electron scattering	Kent Paschke, Anthony Thomas, Robert Michaels, David Armstrong	Yes	2011	June	J.Phys.Conf.Ser.299:012003,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-PHY-11-1430	Jefferson Lab: A Long Decade of Physics	Hugh Montgomery	Yes	2011	June	J. Phys.: Conf. Ser. 299 011001

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1467	Preliminary Design of JLAB Clas12 Large Superconducting Torus Magnet	B. Wang, B. Wahrer, C. Taylor, J. Zbasnik, D. Dell'Orco, J. Ross, J. Chen, L. Xu, H. Chen, B. Wagner, <sup>✉</sup> J. McMullin, R. Pong, T. Juang, M. Wang, C. Carter, L. Quettier, V. Burkert, L. Elouadrhiri, D. Kashy, <sup>✉</sup> F. Leung, W. Schneider	Yes	2011	June	IEEE Trans.Appl.Superconductivity, 21(3), 1876 - 1879 , June 2011
JLAB-PHY-11-1468	Design of a Large 5 T Superconducting Magnet for Polarized Target for JLAB Hall B 12 GeV Upgrade Clas12 Detector	B. Wang, B. Wahrer, C. Taylor, J. Zbasnik, D. Dell'Orco, J. Ross, J. Chen, L. Xu, H. Chen, B. Wagner, <sup>✉</sup> J. McMullin, R. Pong, T. Juang, M. Wang, C. Carter, L. Quettier, V. Burkert, L. Elouadrhiri, D. Kashy, <sup>✉</sup> F. Leung, W. Schneider	Yes	2011	June	IEEE Trans.Appl.Superconductivity, 21(3), 1768 - 1772 , June 2011
JLAB-PHY-11-1334	Transverse Beam Spin Asymmetries at Backward Angles in Elastic Electron-Proton and Quasi-elastic Electron-Deuteron Scattering	D. Androić, D. S. Armstrong, J. Arvieux, S. L. Bailey, D. H. Beck, E. J. Beise, J. Benesch, F. Benmokhtar, L. Bimbot, J. Birchall, P. Bosted, H. Breuer, C. L. Capuano, Y.-C. Chao, A. Coppens, C. A. Davis, C. Ellis, G. Flores, G. Franklin, C. Furget, D. Gaskell, M. T. W. Gericke, J. Grames, G. Guillard, J. Hansknecht, T. Horn, M. K. Jones, P. M. King, W. Korsch, S. Kox, L. Lee, J. Liu, A. Lung, J. Mammei, J. W. Martin, R. D. McKeown, A. Micherdzinska, M. Mihovilovic, H. Mkrtchyan, M. Muether, S. A. Page, V. Papavassiliou, S. F. Pate, 10 S. K. Phillips, P. Pillot, M. L. Pitt, M. Poelker, B. Quinn, W. D. Ramsay, J.-S. Real, J. Roche, P. Roos, J. Schaub, T. Seva, N. Simicevic, G. R. Smith, D. T. Spayde, M. Stutzman, R. Suleiman, V. Tadevosyan, W. T. H. van Oers, M. Versteegen, <sup>✉</sup> E. Voutier, W. Vulcan, S. P. Wells, S. E. Williamson, S. A. Wood, B.	Yes	2011	July	Phys.Rev.Lett.107:022501,2011.
JLAB-PHY-11-1356	Nuclear transparency and effective kaon-nucleon cross section from the A(e, e'K+) reaction	Nuruzzaman, D. Dutta, J. Arrington, R. Asaturyan, F. Benmokhtar, W. Boeglin, P. Bosted, A. Bruell, B. Clasio, M. E. Christy, E. Chudakov, M. M. Dalton, A. Daniel, D. Day, L. El Fassi, R. Ent, H. C. Fenker, J. Ferrer, N. Fomin, H. Gao, K. Garrow, D. Gaskel, C. Gray, T. Horn, G. M. Huber, M. K. Jones, N. Kalantarians, C. E. Keppel, K. Kramer, Y. Li, Y. Liang, A. F. Lung, S. Malace, P. Markowitz, A. Matsumura, D. G. Meekins, T. Mertens, T. Miyoshi, H. Mkrtchyan, R. Monson, T. Navasardyan, G. Niculescu, I. Niculescu, Y. Okayasu, A. K. Opper, C. Perdrisat, V. Punjabi, X. Qian, A. W. Rauf, V. M. Rodriguez, D. Rohe, J. Seely, E. Segbefia, G. R. Smith, M. Sumihama, V. Tadevosyan, L. Tang, V. Tvaskis, W. F. Vulcan, F. R. Wesselmann, S. A. Wood, L. Yuan, X. C. Zheng	Yes	2011	July	Phys.Rev. C84 (2011) 015210

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1365	An electromagnetic calorimeter for the JLab real compton scattering experiment	D.J. Hamilton, A. Shahinyan, B. Wojtsekhowski, J.R.M. Annand, T. H. Chang, E. Chudakov, A. Danagoulian, P. Degtyarenko, K. Egayan, R. Gilman, V. Gorbenko, J. Hines, Z, E. Hovhannisyan, C.E. Hyde-Wright, C.W. de Jager, A. Ketikyan, V.H. Mamyan, R. Michaels, A.M. Nathan, V. Nelyubin, I. Rachek, M. Roedelbrom, A. Petrosyan, R. Pomatsalyuk, V. Popov, J. Segal, Y. Shestakov, J. Templon, H. Voskanyan	Yes	2011	July	Nucl.Instr.Meth.A,643, 17-28 (Issue 1, 1 July 2011)
JLAB-PHY-09-1089	High Power Cryogenic Targets	Gregory Smith	Yes	2011	August	Hyperfine Interactions, Volume 201, Numbers 1-3, 57-62
JLAB-PHY-11-1317	The G0 Experiment: Apparatus for Parity-Violating Electron Scattering Measurements at Forward and Backward Angles	D. Androic, D.S. Armstrong, J. Arvieux, R. Asaturyan, T. D. Averett, S. L. Bailey, G. Batigne, D. H. Beck, E. J. Beise, J. Benesch, F. Benmokhtar, L. Bimbot, J. Birchall, A. Biselli, P. Bosted, H. Breuer, P. Brindza, C. L. Capuano, R. D. Carlini, R. Carr, N. Chant, Y.-C. Chao, R. Clark, A. Coppens, S. D. Covrig, A. Cowley, D. Dale, C. A. Davis, C. Ellis, W. R. Falk, H. Fenker, J. M. Finn, T. Forest, G. Franklin, R. Frascaia, C. Furget, D. Gaskell, M. T. W. Gericke, J. Grames, K. A. Griffioen, K. Grimm, G. Guillard, B. Guillon, H. Guler, K. Gustafsson, L. Hannelius, J. Hansknecht, R. D. Hasty, A. M. Hawthorne Allen, T. Horn, T. M. Ito, K. Johnston, M. Jones, P. Kammel, R. Kazimi, P. M. King, A. Kolarkar, E. Korkmaz, W. Korsch, S. Kox, J. Kuhn, J. Lachniet, R. Laszewski, L. Lee, J. Lenoble, E. Liatard, J. Liu, A. Lung, G. A. MacLachlan, J. Mammei, D. Marchand, J. W. Martin, D. J. Mack, K. W. McFarlane, D. W. McKee, R. D. McKeown, F. Merchez, M. Mihovilovic, A. Micherdzinska, H. Mkrtchyan, B. Moffit, M. Morlet, M. Muether, J. Musson, K. Nakahara, R. Neveling, S. Niccolai, D. Nilsson, S. Ong, S. A. Page, V. Papavassiliou, S. F.	Yes	2011	August	Nucl.Instrum.Meth.A646:59-86,2011

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1332	Single Spin Asymmetries in Charged Pion Production from Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized $^3\text{He}$ Target	X. Qian, K. Allada, C. Dutta, J. Huang, J. Katich, Y. Wang, Y. Zhang, K. Aniol, J. R. M. Annand, T. Averett, F. Benmokhtar, W. Bertozzi, P.C. Bradshaw, P. Bosted, A. Camsonne, M. Canan, G.D. Cates, C. Chen, J.-P. Chen, W. Chen, K. Chirapatpimol, E. Chudakov, E. Cisbani, J.C. Cornejo, F. Cusanno, M. M. Dalton, W. Deconinck, C. W. de Jager, R. De Leo, X. Deng, A. Deur, H. Ding, P. A. M. Dolf, D. Dutta, L. El Fassi, S. Frullani, H. Gao, F. Garibaldi, D. Gaskell, S. Gilad, R. Gilman, O. Glamazdin, S. Golge, L. Guo, D. Hamilton, O. Hansen, D. W. Higinbotham, T. Holmstrom, M. Huang, H. F. Ibrahim, M. Iodice, X. Jiang, G. Jin, M.K. Jones, A. Kelleher, W. Kim, A. Kolarkar, W. Korsch, J.J. LeRose, X. Li, Y. Li, R. Lindgren, N. Liyanage, E. Long, H.-J. Lu, D.J. Margaziotis, P. Markowitz, S. Marrone, D. McNulty, Z.-E. Meziani, R. Michaels, B. Moffit, C. Munoz Camacho, S. Nanda, A. Narayan, V. Nelyubin, B. Norum, Y. Oh, M. Osipenko, D. Parno, J. C. Peng, S. K. Phillips, M. Posik, A. J. R. Puckett, Y. Qiang, A. Rakhman, R. D. Ransome, S. Riordan, A. Saha, B. Sawatzky, E. Schulte, A. Shahinyan, M. H. Shabestari, S.	Yes	2011	August	Phys. Rev. Lett. 107, 072003 (2011) – Published August 10, 2011
JLAB-PHY-11-1414	Nucleon form factor studies at Jlab	A. Giusa, V. Bellini, F. Mammoliti, G. Russo, M.L. Sperduto, C.M. Sutura, E. Cisbani, F. Garibaldi, G.M. Urciuoli, M. Capogni, G.D. Cates, K. de Jager, B. Wojtsekhowski	Yes	2011	August	Applied Radiation and Isotopes, Volume 69, Issue 8, August 2011, Pages 1125-1127
JLAB-PHY-11-1466	Measurement of tensor polarization of deuterons from He-3 --> d+p breakup at momenta from 4.60 to 5.66 GeV/c.	Igor Sitnik, Charles Perdrisat, Egle Tomasi, Jacques Ball, Louis Bimbot, Y. Bisson, M. Boivin, Yu. T. Borzunov, J. L. Boyard, Ph. Courtat, R. Gacougnolle, L. B. Golovanov, T. Hennino, Mark Jones, R. Kunne, L. V. Malinina, Svetlozar Nedev, Nikolay Piskunov, Vina Punjabi, J.	Yes	2011	September	Phys.Rev. C84 (2011) 034006
<b>FY2012</b>						
JLAB-PHY-09-1066	Radio frequency phototube and optical clock: High resolution, high rate and highly stable single photon timing technique	Amur Margaryan	Yes	2011	October	Nucl.Instrum.MethodsA, Volume 652, Issue 1, 1 October 2011, Pages 504-507



## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1361	Precise Measurements of Beam Spin Asymmetries in Semi-Inclusive $\pi^0$ production	M. Aghasyan, H. Avakian, P. Rossi, E. De Sanctis, D. Hasch, M. Mirazita, D. Adikaram, M.J. Amarian, M. Anghinolfi, H. Baghdasaryan, J. Ball, M. Battaglieri, V. Batourine, I. Bedlinskiy, R. P. Bennett, A.S. Biselli, D. Branford, W.J. Briscoe, S. Bültmann, V.D. Burkert, D.S. Carman, S. Chandavar, P.L. Cole, P. Collins, M. Contalbrigo, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. De Vita, A. Deur, B. Dey, R. Dickson, C. Djalali, G.E. Dodge, D. Doughty, R. Dupre, H. Egiyan, A. El Alaoui, L. Elouadrhiri, P. Eugenio, G. Fedotov, S. Fegan, A. Fradi, M.Y. Gabrielyan, M. Garçon, N. Gevorgyan, G.P. Gilfoyle, K.L. Giovanetti, F.X. Girod, J.T. Goetz, W. Gohn, E. Golovatch, R.W. Gothe, L. Graham, K.A. Griffioen, B. Guegan, M. Guidal, N. Guler, L. Guo, K. Hafidi, C. Hanretty, K. Hicks, M. Holtrop, C.E. Hyde, Y. Ilieva, D.G. Ireland, E.L. Isupov, S.S. Jawalkar, D. Jenkins, H.S. Jo, K. Joo, D. Keller, M. Khandaker, P. Khetarpal, A. Kim, W. Kimy, A. Klein, F.J. Klein, V. Kubarovskiy, S.E. Kuhn, S.V. Kuleshov, V. Kuznetsov, N.D. Kvaltine, K. Livingston, H.Y. Lu, I.J.D. MacGregor, N. Markov, M. Mayer, J.	Yes	2011	October	Physics Letters B, Volume 704, Issue 5, 25 October 2011, Pages 397-402
JLAB-PHY-11-1429	Measurement of the absolute and differential cross sections for $7\text{Li}(\gamma, n)6\text{Li}$	W.A. Wurtz, R.E. Pywell, B.E. Norum, S. Kucuker, B.D. Sawatzky, H.R. Weller, M.W. Ahmed, S. Stave	Yes	2011	October	Phys.Rev. C84 (2011) 044601 (6 pp)
JLAB-PHY-11-1311	High Precision Measurement of the Proton Elastic Form Factor Ratio $\mu_{pE}/G_M$ at low $Q^2$	X. Zhan	Yes	2011	November	Physics Letters B, Volume 705, Issues 1-2, 3 November 2011, Pages 59-64
JLAB-PHY-11-1406	Search for a new gauge boson in the $\pi^0$ Experiment (APEX)	S.Abrahamyan, Z.Ahmed, K.Allada, D.Anez, T.Averett, A.Barbieri, K.Bartlett, J.Beacham, J.Bono, J.R.Boyce, P.Brindza, A.Camsonne, K.Cranmer, M.M.Dalton, C.W.deJager, J.Donaghy, R.Essig, C.Field, E.Folts, A.Gasparian, N.Goeckner-Wald, J.Gomez, M.Graham, J.-O.Hansen, D.W.Higinbotham, T.Holmstrom, J.Huang, S.Iqbal, J.Jaros, E.Jensen, A.Kelleher, M.Khandaker, J.J.LeRose, R.Lindgren, N.Liyanage, E.Long, J.Mammei, P.Markowitz, T.Maruyama, V.Maxwell, S.Mayilyan, J.McDonald, R.Michaels, K.Moffeit, V.Nelyubin, A.Odian, M.Oriunno, R.Partridge, M.Paolone, E.Piasetzky, I.Pomerantz, Y.Qiang, S.Riordan, Y.Roblin, B.Sawatzky, P.Schuster, J.Segal, L.Selvy, A.Shahinyan, R.Subedi, V.Sulkosky, S.Stepanyan, N.Toro, D.Walz, B.Wojtsekhowski, J.Zhang	Yes	2011	November	Phys.Rev.Lett. 107 (2011) 191804


## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1415	Low $Q^2$ measurements of the proton form factor ratio $\mu_p G_E / G_M$	G. Ron, X. Zhan, J. Glistler, B. Lee, K. Allada, W. Armstrong, J. Arrington, A. Beck, F. Benmokhtar, B.L. Berman, W. Boeglin, E. Brash, A. Camsonne, J. Calarco, J. P. Chen, S. Choi, E. Chudakov, L. Coman, B. Craver, F. Cusanno, J. Dumas, C. Dutta, R. Feuerbach, A. Freyberger, S. Frullani, F. Garibaldi, R. Gilman, O. Hansen, D. W. Higinbotham, T. Holmstrom, C.E. Hyde, H. Ibrahim, Y. Ilieva, C. W. de Jager, X. Jiang, M. Jones, A. Kelleher, E. Khrosinkova, E. Kuchina, G. Kumbartzki, J. J. LeRose, R. Lindgren, P. Markowitz, S. May-Tal Beck, E. McCullough, M. Meziane, Z.-E. Meziani, R. Michaels, B. Moffit, B.E. Norum, Y. Oh, M. Olson, M. Paolone, K. Paschke, C. F. Perdrisat, E. Piasetzky, M. Potokar, R. Pomatsalyuk, I. Pomerantz, A. Puckett, V. Punjabi, X. Qian, Y. Qiang, R. Ransome, M. Reyhan, J. Roche, Y. Rousseau, A. Saha, A. J. Sarty, B. Sawatzky, E. Schulte, M. Shabestari, A. Shahinyan, R. Shneur, S. Sirca, K. Slifer, P. Solvignon, J. Song, R. Sparks, R. Subedi, S. Strauch, G. M. Urciuoli, K. Wang, B. Wojtsekhowski, X. Yan, H. Yao, X. Zhu	Yes	2011	November	Phys. Rev. C 84, 055204 (2011) [11 pages]
JLAB-PHY-11-1439	Measurement of the nuclear multiplicity ratio or image hadronization at CLAS	A. Daniel, K. Hicks, W.K. Brooks, H. Hakobyan, K.P. Adhikari, D. Adikaram, M. Aghasyan, M. Amarian, M. Anghinolfi, H. Avakian, H. Baghdasaryan, M. Battaglieri, V. Batourine, y, I. Bedlinskiy, R.P. Bennett, A.S. Biselli, C. Bookwalter, W.J. Briscoe, V.D. Burkert, D.S. Carman, L. Casey, A. Celentanot, S. Chandavar, P.L. Cole, M. Contalbrigo, V. Crede, A. D'Angelou, N. Dashyan, R. De Vita, E. De Sanctis, A. Deur, B. Dey, R. Dickson, C. Djalali, G.E. Dodge, D. Doughty, H. Egiyan, L. El Fassi, L. Elouadrhiri, P. Eugenio, G. Fedotov, S. Fegan, M.Y. Gabrielyan, N. Gevorgyan, G.P. Gilfoyle, K.L. Giovanetti, F.X. Girod, J.T. Goetz, W. Gohn, E. Golovatch, R.W. Gothe, K.A. Griffioen, M. Guidal, L. Guo, C. Hanretty, D. Heddle, M. Holtrop, C.E. Hyde, Y. Ilieva, D.G. Ireland, B.S. Ishkhanov, E.L. Isupov, S.S. Jawalkar, H.S. Jo, K. Joo, N. Kalantarian, D. Keller, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, A. Klein, F.J. Klein, V. Kubarovsky, S.V. Kuleshov, V. Kuznetsov, H.Y. Lu, I.J.D. MacGregor, Y. Mao, N. Markov, M. Mayer, J. McAndrew, B. McKinnon, C.A. Meyer, T. Mine, M.	Yes	2011	November	Physics Letters B, Volume 706, Issue 1, 26-31 (30 November 2011)
JLAB-PHY-11-1476	The proton form factor ratio at low $Q^2$ : New results from Jefferson Lab	Guy Ron	Yes	2011	November	Mod.Phys.Lett. A26 (2011) 2605-2614
JLAB-PHY-11-1370	Silicon photomultiplier characterization for the GlueX barrel calorimeter	F. Barbosa, J.E. McKisson, J. McKisson, Y. Qiang, E. Smith, C. Zorn	Yes	2011	December	In Press, December 1 2011, Nucl. Inst. Meth. A

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1471	Probing the high momentum component of the deuteron at high $Q^2$ .	W.U. Boeglin, L. Coman, P. Ambrozewicz, K. Aniol, J. Arrington, G. Batigne, P. Bosted, A. Camsonne, G. Chang, J.P. Chen, S. Choi, A. Deur, M. Epstein, J.M. Finn, S. Frullani, C. Furget, F. Garibaldi, O. Gayou, R. Gilman, O. Hansen, D. Hayes, D.W. Higinbotham, W. Hinton, C. Hyde, H. Ibrahim, C.W. de Jager, X. Jiang, M. K. Jones, L.J. Kaufman, A. Klein, S. Kox, L. Kramer, G. Kumbartzki, J.M. Laget, J. LeRose, R. Lindgren, D.J. Margaziotis, P. Markowitz, K. McCormick, Z. Meziani, R. Michaels, B. Milbrath, J. Mitchell, z P. Monaghan, M. Moteabbed, P. Moussiegt, R. Nasseripour, K. Paschke, C. Perdrisat, E. Piasetzky, V. Punjabi, I.A. Qattan, G. Quemener, R.D. Ransome, B. Raue, J.S. Real, J. Reinhold, B. Reitz, R. Roche, M. Roedelbronn, A. Saha, K. Slifer, P. Solvignon, V. Sulkosky, P.E. Ulmer, z E. Voutier, L.B. Weinstein, B. Wojtsekhowski, M. Zeier	Yes	2011	December	Phys. Rev. Lett. 107, 262501 (2011) [6 pages]
JLAB-PHY-11-1472	Gas dynamics in high-luminosity polarized He-3 targets using diffusion and convection	P.A.M. Dolph, J. Singh, T. Averett, A. Kelleher, K.E. Mooney, V. Nelyubin, W.A. Tobias, B. Wojsekhowski, G.D. Cates	Yes	2011	December	Phys. Rev. C 84, 065201 (2011) [13 pages]
JLAB-PHY-11-1331	Parity Violating Electron Scattering Measurements of Neutron Densities	Shufang Ban, C. J. Horowitz, R. Michaels	Yes	2012	January	J. Phys. G: Nucl. Part. Phys. 39 015104
JLAB-PHY-11-1359	Beam-Target Double Spin Asymmetry $A_{LT}$ in Charged Pion Production from Deep Inelastic Scattering on a Transversely Polarized He-3 Target at $1.4 < Q^2 < 2.7 \text{ GeV}^2$	J. Huang, K. Allada, C. Dutta, J. Katich, X. Qian, Y. Wang, Y. Zhang, K. Aniol, J.R.M. Annand, T. Averett, F. Benmokhtar, W. Bertozzi, P.C. Bradshaw, P. Bosted, A. Camsonne, M. Canan, G.D. Cates, C. Chen, J.-P. Chen, W. Chen, K. Chirapatpimol, E. Chudakov, E. Cisbani, J.C. Cornejo, F. Cusanno, M. M. Dalton, W. Deconinck, C.W. de Jager, R. De Leo, X. Deng, A. Deur, H. Ding, P. A. M. Dolph, D. Dutta, L. El Fassi, S. Frullani, H. Gao, F. Garibaldi, D. Gaskell, S. Gilad, R. Gilman, O. Glamazdin, S. Golge, L. Guo, D. Hamilton, O. Hansen, D.W. Higinbotham, T. Holmstrom, M. Huang, H. F. Ibrahim, M. Iodice, X. Jiang, G. Jin, M.K. Jones, A. Kelleher, W. Kim, A. Kolarkar, W. Korsch, J.J. LeRose, X. Li, Y. Li, R. Lindgren, N. Liyanage, E. Long, H.-J. Lu, D.J. Margaziotis, P. Markowitz, S. Marrone, D. McNulty, Z.-E. Meziani, R. Michaels, B. Moffit, C. Muñoz Camacho, S. Nanda, A. Narayan, V. Nelyubin, B. Norum, Y. Oh, M. Osipenko, D. Parno, J. C. Peng, S. K. Phillips, M. Posik, A. J. R. Puckett, Y. Qiang, A. Rakhman, R. D. Ransome, S. Riordan, A. Saha, B.	Yes	2012	January	Phys. Rev. Lett. 108, 052001 (2012) [6 pages]

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1381	Semi-Inclusive Charged-Pion Electroproduction off Protons and Deuterons: Cross Sections, Ratios and Access to the Quark-Parton Model at Low Energies	R. Asaturyan, R. Ent, H. Mkrtchyan, T. Navasardyan, V. Tadevosyan, G.S. Adams, A. Ahmidouch, T. Angelescu, J. Arrington, A. Asaturyan O.K. Baker, N. Benmouna, C. Bertoncini, H.P. Blok, W.U. Boeglin, P.E. Bosted, H. Breuer, M.E. Christy, S.H. Connell, Y. Cui, M.M. Dalton, S. Danagoulian, D. Day, J.A. Dunne, D. Dutta, N.El Khayari, H.C. Fenker, V.V. Frolov, L. Gan, D. Gaskell, K. Hafidi, W. Hinton, R.J. Holt, T. Horn, G.M. Huber, E. Hungerford, X. Jiang, M. Jones, K. Joo, N. Kalantarians, J.J. Kelly, C.E. Keppel, V. Kubarovsky, Y. Li, Y. Liang, D. Mack, S.P. Malace, P. Markowitz, E. McGrath, P. McKee, D.G. Meekins, A. Mkrtchyan, B. Moziak, G. Niculescu, I. Niculescu, A.K. Opper, T. Ostapenko, P.E. Reimer, J. Reinhold, J. Roche, S.E. Rock, E. Schulte, E. Segbefia, C. Smith, G.R. Smith, P. Stoler, L. Tang, M. Ungaro, A. Uzzle, S. Vidakovic, A. Villano, W.F. Vulcan, M. Wang, G. Warren, F.R. Wesselmann, B. Wojtsekhowski, S.A. Wood, C. Xu, L. Yuan, X. Zheng	Yes	2012	January	Phys. Rev. C 85, 015202 (2012) [31 pages]
JLAB-PHY-11-1409	Electroexcitation of nucleon resonances	Inna Aznauryan, Volker D. Burkert	Yes	2012	January	Progress in Particle and Nuclear Physics, Volume 67, Issue 1, January 2012, Pages 1-54
JLAB-PHY-11-1438	Upper limits for the photoproduction cross section for the $\Phi$ -(1860) pentaquark state off the deuteron	Hovanes Egiyan	Yes	2012	January	Phys. Rev. C 85, 015205 (2012) [9 pages]
JLAB-PHY-11-1408	New measurements of high-momentum nucleons and short-range structures in nuclei	N. Fomin, J. Arrington, R. Asaturyan, F. Benmokhtar, W. Boeglin, P. Bosted, A. Bruell, M. H. S. Bukhari, E. Chudakov, B. Clasie, S. H. Connell, M. M. Dalton, A. Daniel, D. B. Day, D. Dutta, R. Ent, L. El Fassi, H. Fenker, B. W. Filippone, K. Garrow, D. Gaskell, C. Hill, R. J. Holt, T. Horn, M. K. Jones, J. Jourdan, N. Kalantarians, C. E. Keppel, D. Kiselev, M. Kotulla, R. Lindgren, A. F. Lung, S. Malace, P. Markowitz, P. McKee, D. G. Meekins, H. Mkrtchyan, T. Navasardyan, G. Niculescu, A. K. Opper, C. Perdrisat, D. H. Potterveld, V. Punjabi, X. Qian, P. E. Reimer, J. Roche, V.M. Rodriguez, O. Rondon, E. Schulte, J. Seely, E. Segbefia, K. Slifer, G. R. Smith, P. Solvignon, V. Tadevosyan, S. Tajima, L. Tang, G. Testa, R. Trojer, V. Tvaskis, W. F. Vulcan, C. Wasko, F. R. Wesselmann, S. A. Wood, 	Yes	2012	February	Phys.Rev.Lett. 108 (2012) 092502
JLAB-PHY-11-1413	Dynamic magnetic shield for the CLAS12 central TOF detector photomultiplier tubes	V. Baturin, V. Burkert, D.S. Carman, L. Elouadrhyri, D. Grilli, D. Kashy, E. Pasyuk, L. Quettier, B. Wieland	Yes	2012	February	Nucl.Instr.Meth.A, Volume 664, Issue 1, 1 February 2012, Pages 11-21

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1452	Branching Ratio of the Electromagnetic Decay of the $\Sigma^+(1385)$	D. Keller, K. Hicks, K.P. Adhikari, D. Adikaram, M.J. Amarian, M. Anghinolfi, H. Baghdasaryan, J. Ball, M. Battaglieri, I. Bedlinskiy, A.S. Biselli, C. Bookwalter, S. Boiarinov, D. Branford, W.J. Briscoe, W.K. Brooks, V.D. Burkert, D.S. Carman, A. Celentano, S. Chandavar, P.L. Cole, M. Contalbrigo, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. De Vita, E. De Sanctis, C. Djalali, D. Doughty, R. Dupre, A. El Alaoui, L. El Fassi, L. Elouadrhiri, P. Eugenio, G. Fedotov, M.Y. Gabrielyan, N. Gevorgyan, G.P. Gilfoyle, K.L. Giovanetti, W. Gohn, E. Golovatch, R.W. Gothe, L. Graham, K.A. Griffioen, M. Guidal, N. Guler, L. Guo, K. Hafidi, H. Hakobyan, M. Holtrop, Y. Ilieva, D.G. Ireland, B.S. Ishkhanov, E.L. Isupov, H.S. Jo, K. Joo, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, F.J. Klein, A. Kubarovsky, V. Kubarovsky, S.V. Kuleshov, H.Y. Lu, I. J. D. MacGregor, Y. Mao, N. Markov, M. Mayer, B. McKinnon, C.A. Meyer, M. Mirazita, V. Mokeev, H. Moutarde, E. Munevar, P. Nadel-Turonski, R. Nasseripour, S. Niccolai, G. Niculescu, I. Niculescu, M. Osipenko, A.I. Ostrovidov, M.	Yes	2012	March	Phys. Rev. D 85, 052004 (2012) [20 pages]
JLAB-PHY-11-1475	Radiative effects in the processes of exclusive photon electroproduction from polarized protons	Igor Akushevich, Alexander Ilyichev	Yes	2012	March	Phys. Rev. D 85, 053008 (2012) [11 pages]
JLAB-PHY-11-1479	New Precision Limit on the Strange Vector Form Factors of the Proton	Z. Ahmed, K. Allada, K. A. Aniol, D. S. Armstrong, J. Arrington, P. Baturin, V. Bellini, J. Benesch, R. Beminiwattha, F. Benmokhtar, M. Canan, A. Camsonne, G. D. Cates, J.-P. Chen, E. Chudakov, E. Cisbani, M. M. Dalton, C. W. de Jager, R. De Leo, W. Deconinck, P. Decowski, X. Deng, A. Deur, C. Dutta, G. B. Franklin, M. Friend, S. Frullani, F. Garibaldi, A. Giusa, A. Glamazdin, S. Golge, K. Grimm, O. Hansen, D. W. Higinbotham, R. Holmes, T. Holmstrom, J. Huang, M. Huang, C. E. Hyde, C. M. Jen, G. Jin, D. Jones, H. Kang, P. King, S. Kowalski, K. S. Kumar, J. H. Lee, J. J. LeRose, N. Liyanage, E. Long, D. McNulty, D. Margaziotis, F. Meddi, D. G. Meekins, L. Mercado, Z.-E. Meziani, R. Michaels, C. Munoz-Camacho, M. Mihovilovic, N. Muangma, K. E. Myers, S. Nanda, A. Narayan, V. Nelyubin, Nuruzzaman, Y. Oh, K. Pan, D. Parno, K. D. Paschke, S. K. Phillips, X. Qian, Y. Qiang, B. Quinn, A. Rakhman, P. E. Reimer, K. Rider, S. Riordan, J. Roche, J. Rubin, G. Russo, K. Saenboonruang, A. Saha, B. Sawatzky, R. Silwal, S. Sirca, P. A. Souder, M. Sperduto, R. Subedi, R. Suleiman, V. Sulkosky, C. M. Sutura, W. A. Tobias, G. M. Urciuoli, B. Waidyawansa, D. Wang, J.	Yes	2012	March	Phys.Rev.Lett. 108 (2012) 102001

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-12-1409	Weak charge form factor and radius of 208Pb through parity violation in electron scattering	C. J. Horowitz, Z. Ahmed, C.-M. Jen, A. Rakhman, P.A. Souder, M.M. Dalton, N. Liyanage, K.D. Paschke, K. Saenboonruang, R. Silwal, G.B. Franklin, M. Friend, B. Quinn, K.S. Kumar, D. McNulty, L. Mercado, S. Riordan, J. Wexler, G.M. Urciuoli	Yes	2012	March	Phys. Rev. C 85, 032501(R) (2012) [5 pages]
JLAB-PHY-12-1479	Measurement of the parity-violating asymmetry in inclusive electroproduction of $\pi^+\pi^-$ near the $\Delta^{00}$ resonance	D. Androić, D. S. Armstrong, J. Arvieux, S. L. Bailey, D. H. Beck, E. J. Beise, J. Benesch, F. Benmokhtar, L. Bimbot, J. Birchall, P. Bosted, H. Breuer, C. L. Capuano, Y.-C. Chao, A. Coppens, C. A. Davis, C. Ellis, G. Flores, G. Franklin, C. Furget, D. Gaskell, M. T. W. Gericke, J. Grames, G. Guillard, J. Hansknecht, T. Horn, M. K. Jones, P. M. King, W. Korsch, S. Kox, L. Lee, J. Liu, A. Lung, J. Mammei, J. W. Martin, R. D. McKeown, A. Micherdzinska, M. Mihovilovic, H. Mkrtychyan, M. Muether, S. A. Page, V. Papavassiliou, S. F. Pate, S. K. Phillips, P. Pillot, M. L. Pitt, M. Poelker, B. Quinn, W. D. Ramsay, J.-S. Real, J. Roche, P. Roos, J. Schaub, T. Seva, N. Simicevic, G. R. Smith, D. T. Spayde, M. Stutzman, R. Suleiman, V. Tadevosyan, W. T. H. van Oers, M. Versteegen, E. Voutier, W. Vulcan, S. P. Wells, S. E. Williamson, S. A. Wood	Yes	2012	March	Phys. Rev. Lett. 108, 122002 (2012) [5 pages]
JLAB-PHY-12-1480	Measurement of the Neutron Radius of 208Pb Through Parity-Violation in Electron Scattering	Sergey Abrahamyan, Zafar Ahmed, Hisham Albatineh, Konrad Aniol, David Armstrong, Whitney Armstrong, Todd Averett, Benjamin Babineau, A. Barbieri, Vincenzo Bellini, Rakitha Beminiwattha, Jay Benesch, Fatiha Benmokhtar, Trevor Bielarski, Werner Boeglin, Alexandre Camsonne, Mustafa Canan, Philip Carter, Gordon Cates, Chunhua Chen, Jian-Ping Chen, O. Hen, Francesco Cusanno, Mark Dalton, Raffaele De Leo, Cornelis De Jager, Wouter Deconinck, Piotr Decowski, Xiaoyan Deng, Alexandre Deur, Dipangkar Dutta, Asenath Etile, David Flay, Gregg Franklin, Megan Friend, Salvatore Frullani, Eric Fuchey, Franco Garibaldi, Estelle Gasser, Ronald Gilman, Antonio Giusa, Oleksandr Glamazdin, Javier Gomez, Joseph Grames, Chao Gu, Jens-Ole Hansen, John Hansknecht, Douglas Higinbotham, Richard Holmes, Timothy Holmstrom, Charles Horowitz, Joshua Hoskins, Jin Huang, Charles Hyde, Florian Itard, Chun-Min Jen, Eric Jensen, Ge Jin, Sereres Johnston, Aidan Kelleher, Konstantin Kliakhandler, Paul King, Stanley Kowalski, Krishna Kumar, John Leacock, John Leckey, Jeong Han Lee, John LeRose, Richard Lindgren, Nilanga Liyanage, Nicholas Lubinsky, Juliette Mammei,	Yes	2012	March	Phys. Rev. Lett. 108, 112502 (2012) [6 pages]
JLAB-PHY-12-1500	Observation of a narrow structure in $^1\text{H}(\gamma, K_S^0)\text{X}$ via interference with $\phi$ -meson production	M. J. Amarian, G. Gavalian, C. Nepali, M. V. Polyakov, Ya. Azimov, W. J. Briscoe, G. E. Dodge, C. E. Hyde, F. Klein, V. Kuznetsov, I. Strakovsky, J. Zhang	Yes	2012	March	Phys. Rev. C 85, 035209 (2012) [9 pages]

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-11-1318	Final analysis of proton form factor ratio data at $\sqrt{Q^2} = 4.0, 4.8, \text{ and } 5.6$ GeV	A. J. R. Puckett, E. J. Brash, O. Gayou, M. K. Jones, L. Pentchev, C. F. Perdrisat, V. Punjabi, K. A. Aniol, T. Averett, F. Benmokhtar, W. Bertozzi, L. Bimbot, J. R. Calarco, C. Cavata, Z. Chai, C.-C. Chang, T. Chang, J. P. Chen, E. Chudakov, R. De Leo, S. Dieterich, R. Endres, M. B. Epstein, S. Escoffier, K. G. Fissum, H. Fonvieille, S. Frullani, J. Gao, F. Garibaldi, S. Gilad, R. Gilman, A. Glamazdin, C. Glashauser, J. Gomez, J.-O. Hansen, D. Higinbotham, G. M. Huber, M. Iodice, C. W. de Jager, X. Jiang, M. Khandaker, S. Kozlov, K. M. Kramer, G. Kumbartzki, J. J. LeRose, D. Lhuillier, R. A. Lindgren, N. Liyanage, G. J. Lolos, D. J. Margaziotis, F. Marie, P. Markowitz, K. McCormick, R. Michaels, B. D. Milbrath, S. K. Nanda, D. Neyret, N. M. Piskunov, R. D. Ransome, B. A. Raue, R. Roché, M. Rvachev, A. Saha, C. Salgado, S. Sirca, I. Sitnik, S. Strauch, L. Todor, E. Tomasi-Gustafsson, G. M. Urciuoli, H. Voskanyan, K. Wijesooriya, B. B. Wojtsekhowski, X. Zheng, L. Zhu	Yes	2012	April	Phys. Rev. C 85, 045203 (2012) [26 pages]
JLAB-PHY-11-1427	Measurement of the neutron $F_2$ structure function via spectator tagging with CLAS	N. Baillie, S. Tkachenko, J. Zhang, P. Bosted, S. Bultmann, M.E. Christy, H. Fenker, K.A. Griffioen, C.E. Keppel, S.E. Kuhn, W. Melnitchouk, V. Tvaskis, K.P. Adhikari, D. Adikaram, M. Aghasyan, M.J. Amarian, M. Anghinolfini, J. Arrington, H. Avakian, H. Bagdasaryan, M. Battaglieri, A.S. Biselli, D. Branford, W.J. Briscoe, W.K. Brooks, V.D. Burkert, D.S. Carman, A. Celentano, S. Chandavar, G. Charles, P.L. Cole, M. Contalbrigo, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. De Vita, E. De Sanctis, A. Deur, B. Dey, C. Djalali, G. Dodge, J. Domingo, D. Doughty, R. Dupre, D. Dutta, R. Ent, H. Egiyan, A. El Alaoui, L. El Fassi, L. Elouadrhiri, P. Eugenio, G. Fedotov, S. Fegan, A. Fradi, M.Y. Gabrielyan, N. Gevorgyan, G.P. Gilfoyle, K.L. Giovanetti, F.X. Girod, W. Gohn, E. Golovatch, R.W. Gothe, L. Graham, B. Guegan, M. Guidal, N. Guler, L. Guo, K. Hafidi, D. Heddle, K. Hicks, M. Holtrop, E. Hungerford, C.E. Hyde, Y. Ilieva, D.G. Ireland, M. Ispiryan, E.L. Isupov, S.S. Jawalkar, H.S. Jo, N. Kalantarians, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, P.M.	Yes	2012	April	Phys. Rev. Lett. 108, 142001 (2012) [6 pages]
JLAB-PHY-12-1411	Generalized Parton distributions with CLAS and CLAS12	S. Niccolai	Yes	2012	April	Progress in Particle and Nuclear Physics, Volume 67, Issue 2, April 2012, Pages 282–287
JLAB-PHY-11-1357	Upgraded photon calorimeter with integrating readout for Hall A Compton Polarimeter at Jefferson Lab	M. Friend, D. Parno, F. Benmokhtar, A. Camsonne, M. Dalton, G. B. Franklin, V. Mamyran, R. Michaels, S. Nanda, V. Nelyubin, K. Paschke, B. Quinn, A. Rakhman, P. Souder, A. Tobias	Yes	2012	June	Nucl. Instr. Meth. A, 676 (1), 96–105 (issues 1, June 2012)

## PHYSICS PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-PHY-10-1237	Tensor Correlations Measured in $^3\text{He}(e,e'pp)n$	H. Baghdasaryan, L.B. Weinstein, J.M. Laget, K.P. Adhikari, M. Aghasyan, M. Amarian, M. Anghinolfi, H. Avakian, J. Ball, M. Battaglieri, I. Bedlinskiy, B.L. Berman, A.S. Biselli, C. Bookwalter, W.J. Briscoe, W.K. Brooks, S. Bültmann, V.D. Burkert, D.S. Carman, V. Crede, A. D'Angelo, A. Daniel, N. Dashyan, R. DeVita, E. DeSanctis, A. Deur, B. Dey, R. Dickson, C. Djalali, G.E. Dodge, D. Doughty, R. Dupre, H. Egiyan, A. El Alaoui, L. El Fassi, P. Eugenio, S. Fegan, M.Y. Gabrielyan, G.P. Gilfoyle, K.L. Giovanetti, W. Gohn, R.W. Gothe, K.A. Griffioen, M. Guidal, L. Guo, V. Gyurjyan, H. Hakobyan, C. Hanretty, C.E. Hyde, K. Hicks, M. Holtrop, Y. Ilieva, D.G. Ireland, K. Joo, D. Keller, M. Khandaker, P. Khetarpal, A. Kim, W. Kim, A. Klein, F.J. Klein, P. Konczykowski, V. Kubarovskiy, S.E. Kuhn, S.V. Kuleshov, V. Kuznetsov, N.D. Kvaltine, K. Livingston, H.Y. Lu, I.J.D. MacGregor, N. Markov, M. Mayer, J. McAndrew, B. McKinnon, C.A. Meyer, K. Mikhailov, V. Mokeev, B. Moreno, K. Moriya, B. Morrison, H. Moutarde, E. Munevar, P. Nadel-	Yes			Phys. Rev. Lett. 105, 222501 (2010) [5 pages]



## THEORY PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
<b>FY09 After S&amp;T Review</b>						
JLAB-THY-08-857	Electromagnetic form factors of the Delta in a S-wave approach	G. Ramalho, M.T. Pena	Yes	2009	August	J. Phys. G: Nucl. Part. Phys. 36 085004
JLAB-THY-08-930	Target mass corrections and beyond	Alberto Accardi	Yes	2009	August	Paper compiled for SPIN2008, October 6-11, 2008, Charlottesville, VA
JLAB-THY-09-1018	Generalized parton correlation functions for a spin-1/2 hadron	Stephan Meissner, Andreas Metz, Marc Schlegel	Yes	2009	August	JHEP 0908:056,2009
JLAB-THY-09-1024	Relativistic quark model for the Omega- electromagnetic form factors	G. Ramalho, K. Tsushima, Franz Gross	Yes	2009	August	Phys.Rev.D80:033004,2009.
JLAB-THY-09-1099	Nuclear physics using lattice QCD in the SciDAC era	Robert Edwards	Yes	2009	August	SciDAC 2009, Journal of Physics: Conference Series 180
JLAB-THY-09-966	Dynamical coupled-channels analysis of p(e,e'p)N reactions	Bruno Julia-Diaz, Hiroyuki Kamano, T.-S. Harry Lee, Akihiko Matsuyama, Toru Sato, Nobuhiko Suzuki	Yes	2009	August	Phys.Rev.C80:025207,2009.
JLAB-THY-09-1007	Electromagnetic Currents and Magnetic Moments in $\chi$ EFT	Saori Pastore, Luca Girlanda, Rocco Schiavilla, Michele Viviani, Robert Wiringa	Yes	2009	September	Phys. Rev. C 80, 034004 (2009) [22 pages]
JLAB-THY-09-1011	Equivalence of Pion Loops in Equal-Time and Light-Front Dynamics	Chueng-Ryong Ji, W. Melnitchouk, A. W. Thomas	Yes	2009	September	Phys. Rev. D 80, 054018 (2009) [11 pages]
JLAB-THY-09-985	A novel quark-field creation operator construction for hadronic physics in lattice QCD	Michael Peardon, Jozef Dudek, Robert Edwards, Huey-Wen Lin, David Richards, John Bulava, Colin Morningstar, Keisuke Juge	Yes	2009	September	Phys. Rev. D 80, 054506 (2009) [11 pages]
JLAB-THY-09-992	Bottom-Hadron Mass Splittings from Static-Quark Action on 2+1-Flavor Lattices	Huey-Wen Lin, Saul D. Cohen, Nilmani Mathur, Kostas Orginos	Yes	2009	September	Phys. Rev. D 80, 054027 (2009) [10 pages]
<b>FY2010</b>						
JLAB-THY-09-1002	The NJL Model for Quark Fragmentation Functions	T. Ito, W. Bentz, I. Cloet, A W Thomas, K. Yazaki	Yes	2009	October	Phys. Rev. D 80, 074008 (2009) [17 pages]
JLAB-THY-09-1020	Analysis of 56-plet Positive Parity Baryon Decays in the 1/Nc Expansion	Jose Goity, Norberto Scoccola, Chandana Jayalath	Yes	2009	October	Phys. Rev. D 80, 074027 (2009) [10 pages]
JLAB-THY-09-957	Excited-State Effective Masses in Lattice QCD	George Fleming, Saul Cohen, Huey-Wen Lin	Yes	2009	October	Phys. Rev. D 80, 074506 (2009) [13 pages]
JLAB-THY-09-984	High Statistics Analysis using Anisotropic Clover Lattices: (II) Three-Baryon Systems	Andre Walker-Loud, Will Detmold, William Detmold, Aaron Torok, Konstantinos Orginos, Silas Beane, Tom Luu, Martin Savage, Assumpla Parreno	Yes	2009	October	Phys. Rev. D 80, 074501 (2009) [12 pages]
JLAB-THY-08-916	Nucleon and gamma N -> Delta lattice form factors in a constituent quark model	G. Ramalho, M.T. Pena	Yes	2009	November	J.Phys.G36:115011,2009
JLAB-THY-09-1028	Hadron mass corrections in semi-inclusive deep inelastic scattering	A. Accardi, T. Hobbs, W. Melnitchouk	Yes	2009	November	JHEP 0911:084,2009
JLAB-THY-09-1033	What can break the Wandzura-Wilczek relation?	Alessandro Bacchetta, Alberto Accardi, Wolodymyr Melnitchouk, Marc Schlegel	Yes	2009	November	JHEP 0911:093,2009
JLAB-THY-09-1034	Dark Matter, the MCSSM and lattice QCD	Joel Giedt, Anthony W. Thomas, and Ross D. Young	Yes	2009	November	Phys.Rev.Lett.103:201802,2009
JLAB-THY-09-1036	Target Polarization for $\vec{e}^*2$ vec H(e,e'p)n\$ at GeV energies	Sabine Jeschonnek, Jay Van Orden	Yes	2009	November	Phys.Rev.C80:054001,2009
JLAB-THY-09-961	NLO evolution of color dipoles in N=4 SYM	Ian Balitsky, Giovanni Chirilli	Yes	2009	November	Nucl.Phys.B822:45-87,2009
JLAB-THY-09-999	Shape of Pion Distribution Amplitude	Anatoly Radyushkin	Yes	2009	November	Phys.Rev.D80:094009,2009

## THEORY PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-09-1012	Chiral dynamics and partonic structure at large transverse distances	Mark Strikman, Christian Weiss	Yes	2009	December	Phys.Rev.D80:114029,2009
JLAB-THY-09-1038	Parton Propagation and Fragmentation in QCD Matter	Alberto Accardi, Francois Arleo, William Brooks, David D'Enterria, Valeria Muccifora	Yes	2009	December	Rivista del Nuovo Cimento 32, 439-553
JLAB-THY-09-1061	Highly excited and exotic meson spectrum from dynamical lattice QCD	Jozef Dudek, Robert Edwards, David Richards, Christopher Thomas	Yes	2009	December	Phys. Rev. Lett. 103, 262001 (2009) [4 pages]
JLAB-THY-09-1064	Double and single pion photoproduction within a dynamical coupled-channels model	Hiroyuki Kamano, Bruno Julia Diaz, Tsung-Shung Lee, Akihiko Matsuyama, Toru Sato	Yes	2009	December	Phys.Rev.C80:065203,2009
JLAB-THY-09-1120	Exclusive J/Psi electroproduction in a dual model	R. Fiore, L.L. Jenkovszky, V.K. Magas, S. Melis, A. Prokudin	Yes	2009	December	Phys.Rev.D80:116001,2009.
JLAB-THY-08-913	Spin-polarized high-energy scattering of charged leptons on nucleons	Matthias Burkardt; Wolf-Dieter Nowak; A. MILLER	Yes	2010	January	Rept.Prog.Phys.73:016201,2010
JLAB-THY-08-922	Octet baryon masses and sigma terms from an SU(3) chiral extrapolation	R.D. Young, A.W. Thomas	Yes	2010	January	Phys. Rev. D 81, 014503 (2010)
JLAB-THY-09-1059	An anisotropic preconditioning for the Wilson fermion matrix on the lattice	Balint Joo, Robert G. Edwards, Michael J. Peardon	Yes	2010	January	Comput. Sci. Disc. 3 015001
JLAB-THY-09-1063	Structure and dynamical evolution of low lying nucleon resonances	Nobuhiko Suzuki, Bruno Julia Diaz, Hiroyuki Kamano, Tsung-Shung Lee, Akihiko Matsuyama, Toru Sato	Yes	2010	January	Phys. Rev. Lett. 104, 042302 (2010)
JLAB-THY-09-1080	The Neutral kaon mixing parameter B(K) from unquenched mixed-action lattice QCD	Christopher Aubin, Jack Laiho, Ruth S. Van de Water	Yes	2010	January	Phys.Rev. D81 (2010) 014507
JLAB-THY-09-1103	First results for electromagnetic three-nucleon form factors from high-precision two-nucleon interactions	Sergio Alexandre Pinto, Alfred Stadler, Franz Gross	Yes	2010	January	Phys.Rev.C81:014007,2010
JLAB-THY-09-1106	Two-photon exchange corrections to the pion form factor.	P.G. Blunden, W. Melnitchouk, J.A. Tjon	Yes	2010	January	Phys. Rev. C 81, 018202 (2010)
JLAB-THY-09-1107	Ejectile Polarization for $\$^2 H(e, e' \nu p)n\$$ at GeV energies	Jay Van Orden, Sabine Jeschonnek	Yes	2010	January	Phys.Rev.C81:014008,2010
JLAB-THY-09-1110	High-energy amplitudes in N=4 SYM in the next-to-leading order	Giovanni Chirilli	Yes	2010	January	Int.J.Mod.Phys.A25:401-410,2010. Also Phys.Lett.B687:204-213,2010
JLAB-THY-09-1095	Backward pion-nucleon scattering	F. Huang, A. Sibirtsev, J. Haidenbauer, S. Krewald, U.-G. Meissner	Yes	2010	February	Eur.Phys.J.A44:81-92,2010
JLAB-THY-09-1097	Understanding the proton's spin structure	F. Myhrer, A.W. Thomas	Yes	2010	February	J.Phys.G37:023101,2010
JLAB-THY-09-1104	Final state interactions and the transverse structure of the pion using non-perturbative eikonal methods	Marc Schlegel, Leonard Gamberg	Yes	2010	February	Phys.Lett.B685:95-103,2010
JLAB-THY-09-1105	New parton distributions from large-x and low-Q^2 data	Alberto Accardi, M. Eric Christy, Cynthia E. Keppel, Peter Monaghan, Wolodymyr Melnitchouk, Jorge G. Morfin, Joseph F. Owens	Yes	2010	February	Phys.Rev.D81:034016,2010.
JLAB-THY-09-962	Timelike Virtual Compton Scattering from Electron-Positron Radiative Annihilation	Andrei Afanaciev, Andrei Afanasev, Stanley J. Brodsky, Carl E. Carlson, Asmita Mukherjee	Yes	2010	February	Phys. Rev. D 81, 034014 (2010)
JLAB-THY-09-1041	Quark counting rules: old and new approaches	Anatoly Radyushkin	Yes	2010	March	International Journal of Modern Physics A 25, 502-512 (2010)
JLAB-THY-09-1096	Confirmation of quark-hadron duality in the neutron F_2 structure function	S. P. Malace, Y. Kahn, W. Melnitchouk, C. E. Keppel	Yes	2010	March	Phys.Rev.Lett.104:102001,2010
JLAB-THY-09-1111	Extracting Nucleon Magnetic Moments and Electric Polarizabilities from Lattice QCD in Background Electric Fields	William Detmold, Brian Tiburzi, Andre Walker-Loud	Yes	2010	March	Phys.Rev.D81:054502,2010.

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-09-1112	Unitary constraints on charged pion photoproduction at large $p_{\perp}$	J.M. Laget	Yes	2010	March	Phys.Lett.B685:146-150,2010
JLAB-THY-09-1116	High Statistics Analysis using Anisotropic Clover Lattices: (III) Baryon-Baryon Interactions	Will Detmold, William Detmold, Konstantinos Orginos, Silas Beane, Huey-Wen Lin, Thomas Luu, Assumpta Parreno, Martin Savage, Aaron Torok, Andre Walker-Loud	Yes	2010	March	Phys. Rev. D 81, 054505 (2010) [22 pages]
JLAB-THY-10-1124	Relativity constraints on the two-nucleon contact potential	L. Girlanda, S. Pastore, R. Schiavilla, M. Viviani	Yes	2010	March	Phys. Rev. C 81, 034005 (2010) [9 pages]
JLAB-THY-10-1126	Primakoff effect in eta-photoproduction off protons	A. Sibirtsev, J. Haidenbauer, S. Krewald, U.-G. Meissner	Yes	2010	March	Eur.Phys.J.A44:169-173,2010
JLAB-THY-09-1021	Meson-Baryon Scattering Lengths from Mixed-Action Lattice QCD	Will Detmold, William Detmold, Konstantinos Orginos, Aaron Torok, Silas R Beane, Thomas C Luu, Assumpta Parreno, Martin Savage, Andre Walker-Loud	Yes	2010	April	Phys.Rev.D81:074506,2010
JLAB-THY-09-1048	Color fluctuation approximation for multiple interactions in leading twist theory of nuclear shadowing	V. Guzey, M. Strikman	Yes	2010	April	Phys.Lett.B687:167-173,2010
JLAB-THY-09-1065	Master formula approach to broken chiral $U(3) \times U(3)$ symmetry	Hiroyuki Kamano	Yes	2010	April	Phys.Rev.D81:076004,2010
JLAB-THY-10-1119	Novel Charmonium and Bottomonium Spectroscopies due to Deeply Bound Hadronic Molecules from Single Pion Exchange	Frank Close, Clark Downum, Christopher E. Thomas	Yes	2010	April	Phys. Rev. D 81, 074033 (2010) [12 pages]
JLAB-THY-10-1134	Valence quark contributions for the gamma $N \rightarrow P11(1440)$ form factors	Gilberto Ramalho, Kazuo Tsushima	Yes	2010	April	Phys.Rev.D81:074020,2010
JLAB-THY-09-1060	Singly and Doubly Charmed $J=1/2$ Baryon Spectrum from Lattice QCD	Liuming Liu, Huey-Wen Lin, Konstantinos Orginos, Andre Walker-Loud	Yes	2010	May	Phys. Rev. D 81, 094505 (2010) [18 pages]
JLAB-THY-09-1075	Using baryon octet magnetic moments and masses to fix the pion cloud contribution	Franz Gross, Gilberto Ramalho, Kazuo Tsushima	Yes	2010	June	Phys.Lett.B690:183-188,2010
JLAB-THY-09-1121	The Boer-Mulders effect in unpolarized SIDIS: an analysis of the COMPASS and HERMES data on the $\cos^2 \phi$ asymmetry	V. Barone, S. Melis, A. Prokudin	Yes	2010	June	Phys. Rev. D 81, 114026 (2010)
JLAB-THY-10-1130	On the extraction of P11 resonances from $\pi N$ data	Hiroyuki Kamano, Satoshi Nakamura, Tsung-Shung Lee, Toru Sato	Yes	2010	June	Phys. Rev. C 81, 065207 (2010) [8 pages]
JLAB-THY-10-1139	Electromagnetic form factors of the Delta with D-waves	Gilberto Ramalho, M. T. Pena, Franz Gross	Yes	2010	June	Phys.Rev. D81 (2010) 113011
JLAB-THY-10-1183	First moments of nucleon generalized parton distributions	P. Wang, A.W. Thomas	Yes	2010	June	Phys. Rev. D 81, 114015 (2010) [11 pages]
JLAB-THY-11-1384	Making the Case for Jefferson Lab	Franz Gross	Yes	2010	June	Published in J.Phys.Conf.Ser.299:012001,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-THY-09-1049	gamma-Z corrections to forward-angle parity-violating e-p scattering	A. Sibirtsev, P. Blunden, W. Melnitchouk, A. W. Thomas	Yes	2010	July	Phys.Rev.D82:013011,2010
JLAB-THY-09-954	Charge Symmetry at the Partonic Level	J.T. Londergan, J.-C. Peng, A.W. Thomas	Yes	2010	July	Rev.Mod.Phys.82:2009-2052,2010
JLAB-THY-10-1121	A method to study complex systems of mesons in lattice QCD	William Detmold, Martin Savage	Yes	2010	July	Phys.Rev.D82:014511,2010
JLAB-THY-10-1170	Nucleon, $\Delta$ and $\Omega$ excited states in $N_f=2+1$ lattice QCD	J. Bulava, R. G. Edwards, E. Engelson, B. Joó, H-W. Lin, C. Morningstar, D. G. Richards, S. J. Wallace	Yes	2010	July	Phys.Rev.D82:014507,2010

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-10-1158	Proton-proton Scattering Above 3 GeV/c	A. Sibirtsev, J. Haidenbauer, H.-W. Hammer S. Krewald, Ulf-G. Meissner	yes	2010	August	European Physical Journal A, 45, 357-372 (2010)
JLAB-THY-10-1171	Toward the excited meson spectrum of dynamical QCD	Jozef Dudek, Robert Edwards, Michael Peardon, David Richards, Christopher Thomas	Yes	2010	August	Phys.Rev.D82:034508,2010
JLAB-THY-08-884	An analysis of the nucleon spectrum from lattice partially-quenched QCD	W. Armour, C. R. Allton, D.B. Leinweber, A.W. Thomas, R.D. Young	Yes	2010	September	Nuclear Physics A, Volume 840, Issues 1-4, 1 September 2010, Pages 97-119
JLAB-THY-09-1117	Latest Lattice Results for Baryon Spectroscopy	David Richards	Yes	2010	September	Compiled for Chinese Journal of Physics, Volume 34, Number 9, 1281
JLAB-THY-10-1172	Energy dependence of $\bar{K}N$ interactions and resonance poles of strange dibaryons	Yoichi Ikeda, Hiroyuki Kamano, Toru Sato	Yes	2010	September	Prog.Theor.Phys.124:533-539,2010.
JLAB-THY-10-1193	Covariant spectator theory of $n\bar{p}$ scattering: Effective range expansions and relativistic deuteron wave functions	Franz Gross, Alfred Stadler	Yes	2010	September	Phys.Rev. C82 (2010) 034004
<b>FY2011</b>						
JLAB-THY-09-1051	Reassessment of the NuTeV determination of the Weinberg angle	W. Bentz, I.C. Cloet, J.T. Londergan and A.W. Thomas	Yes	2010	October	Phys.Lett.B693:462-466,2010
JLAB-THY-10-1162	Extraction of Electromagnetic Transition Form Factors for Nucleon Resonances within a Dynamical Coupled-Channels Model	N. Suzuki, T. Sato, T.-S. H. Lee	Yes	2010	October	Phys.Rev.C82:045206,2010.
JLAB-THY-10-1169	Quantifying the nucleon's pion cloud with transverse charge densities	M. Strikman, C. Weiss	Yes	2010	October	Phys.Rev.C82:042201,2010.
JLAB-THY-10-1184	The parity violating asymmetry in the $^3\text{He}(n,p)^3\text{H}$ reaction	M. Viviani, L. Girlanda, A. Kievsky, L.E. Marcucci, R. Schiavilla	Yes	2010	October	Phys. Rev. C 82, 044001 (2010) [16 pages]
JLAB-THY-10-1219	A model for the Delta(1600) resonance and gamma N -> Delta(1600) transition	G. Ramalho, K. Tsushima	Yes	2010	October	Phys.Rev.D82:073007,2010
JLAB-THY-09-1130	Symmetries and the search for physics beyond the standard model	Anthony W. Thomas	Yes	2010	November	Nucl.Phys.A844:19C-25C,2010
JLAB-THY-10-1128	Nucleon structure from mixed action calculations using 2+1 flavors of asqtad sea and domain wall valence fermions	Jonathan Bratt, R Edwards, Michael Engelhardt, Philipp Haegler, Huey-Wen Lin, Meifeng Lin, Harvey Meyer, Bernhard Musch, John Negele, Konstantinos Orginos, Andrew Pochinsky, Massimiliano Procura, David Richards, Wolfram Schroers, Sergey Syritsyn	Yes	2010	November	Phys.Rev.D82:094502,2010
JLAB-THY-10-1198	Thermal neutron captures on $d$ and $^3\text{He}$	L. Girlanda, A. Kievsky, L.E. Marcucci, S. Pastore, R. Schiavilla, M. Viviani, R. Schiavilla	Yes	2010	November	Phys.Rev.Lett.105:232502,2010.
JLAB-THY-11-1160	Structure functions for light nuclei	S.A. Kulagin, R. Petti	Yes	2010	November	Phys.Rev.C82:054614,2010
JLAB-THY-10-1223	Delta and Omega electromagnetic form factors in a Dyson-Schwinger/Bethe-Salpeter approach	Diana Nicmorus, Gernot Eichmann, Reinhard Alkofer	Yes	2010	December	Phys. Rev. D 82, 114017 (2010) [16 pages]
JLAB-THY-10-1226	Analysis of recent eta photoproduction data	A. Sibirtsev, J. Haidenbauer, S. Krewald, U.-G. Meißner	Yes	2010	December	Eur.Phys.J.A46:359-371,2010
JLAB-THY-10-1290	Azimuthal asymmetries in unpolarized Drell-Yan processes and the Boer-Mulders distributions of antiquarks	V. Barone, S. Melis, A. Prokudin	Yes	2010	December	Phys.Rev.D82:114025,2010.
JLAB-THY-11-13	Photon parton distributions in nuclei and the EMC effect	Leonid Frankfurt, Mark Strikman	Yes	2010	December	Phys.Rev.C82:065203,2010
JLAB-THY-10-1161	Unitary constraints on neutral pion electroproduction	J.M. Laget	Yes	2011	January	Phys.Lett.B695:199-204,2011

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-10-1166	Nuclear Physics from Lattice QCD	William Detmold, Silas Beane, Konstantinos Orginos, Martin Savage	Yes	2011	January	Progress in Particle and Nuclear Physics, Volume 66, Issue 1, January 2011, Pages 1-40
JLAB-THY-10-1195	Measurement of the in-medium phi-meson width in proton-nucleus collisions	A. Polyanskiy, M. Hartmann, Yu. T. Kiselev, E. Ya. Paryev, M. Buscher, D. Chiladze, S. Dymov, A. Dzyuba, R. Gebel, V. Hejny, B. Kampfer, I. Keshelashvili, V. Koptev, B. Lorentz, Y. Maeda, S. Merzliakov, S. Mikirtychiants, M. Nekipelov, H. Ohm, H. Schade, V. Serdyuk, Alexander Sibirtsev, V. Y. Sinitsyna, H. J. Stein, H. Stroher, S. Trusov, Yu. Valdau, C. Wilkin, P. Wustner	Yes	2011	January	Phys.Lett.B695:74-77,2011.
JLAB-THY-10-1200	Muon capture on deuteron and $^3\text{He}$	L. E. Marcucci, M. Piarulli, M. Viviani, L. Girlanda, A. Kievsky, S. Rosati, R. Schiavilla	Yes	2011	January	Phys.Rev.C83:014002,2011.
JLAB-THY-10-1274	Pion transverse charge density from timelike form factor data	Gerald Miller, Mark Strikman, Christian Weiss	Yes	2011	January	Phys. Rev. D 83, 013006 (2011) [10 pages]
JLAB-THY-11-1159	Third Zemach moment of the proton	Ian C. Cloet, Gerald A. Miller	Yes	2011	January	Phys.Rev.C83:012201(R),2011
JLAB-THY-11-1161	Structure of Lambda(1405) and threshold behavior of pi Sigma scattering	Yoichi Ikeda, Tesuo Hyodo, Daisuke Jido, Hiroyuki Kamano, Toru Sato, Koichi Yazaki	Yes	2011	January	Prog.Theor.Phys.124:1205-1224,2011
JLAB-THY-11-1310	Measurement of parity-violating gamma-ray asymmetry in the capture of polarized cold neutrons on protons	M. T. Gericke, R. Alarcon, S. Balasculita, L. Barrón-Palos, C. Blessinger, J. D. Bowman, R. D. Carlini, W. Chen, T. E. Chupp, C. Crawford, S. Covrig, M. Dabaghyan, N. Fomin, S. J. Freedman, T. R. Gentile, R. C. Gillis, G. L. Greene, F. W. Hersman, T. Ino, G. L. Jones, B. Lauss, M. Leuschner, W. R. Lozowski, R. Mahurin, Y. Masuda, J. Mei, G. S. Mitchell, S. Muto, H. Nann, S. A. Page, S. I. Penttilä, W. D. Ramsay, A. Salas-Bacci, S. Santra, M. Sharma, P.-N. Seo, E. I. Sharapov, T. B. Smith, W. M. Snow, W. S. Wilburn, V. Yuan	Yes	2011	January	Phys.Rev.C83:015505,2011.
JLAB-THY-11-14	Kaon Thresholds and Two-Flavor Chiral Expansions for Hyperons	Fu-Jiun Jiang, Brian C. Tiburzi, Andre Walker-Loud	Yes	2011	January	Phys.Lett.B695:329-336,2011
JLAB-THY-11-1469	Process Dependent Sivers Function and Implication for Single Spin Asymmetry in Inclusive Hadron Production	Leonard Gamberg, Zhong-Bo Kang	Yes	2011	January	Phys.Lett.B 696, Issues 1-2, 24 January 2011, Pages 109-118
JLAB-THY-10-1188	$\Delta$ mass shift in nuclear matter	Gastao Krein, Anthony Thomas, Kazuo Tsushima	Yes	2011	February	Phys.Lett.B697:136-141,2011
JLAB-THY-10-1217	J/psi Photoproduction Near Threshold	Eugene Chudakov, Christian Weiss	Yes	2011	February	Contribution to review article: S. Eidelman et al., "Quarkonium: Puzzles and Opportunities at future facilities," Eur.Phys.J.C,71,1-178 (2011) - published 8 February 2011, DOI: 10.1140/epjc/s10052-010-1534-9.
JLAB-THY-10-1231	Photon impact factor in the next-to-leading order	Ian Balitsky, Giovanni Chirilli	Yes	2011	February	Phys.Rev.D83:031502,2011

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-11-1308	Heavy quarkonium: progress, puzzles, and opportunities	N. Brambilla, S. Eidelman, B. K. Heltsley, R. Vogt, G. T. Bodwin, E. Eichten, A. D. Frawley, A. B. Meyer, R. E. Mitchell, V. Papadimitriou, P. Petreczky, A. A. Petrov, P. Robbe, A. Vairo, A. Andronic, R. Arndal, P. Artoisenet, G. Bali, A. Bertolin, D. Bettoni, J. Brodzicka, G. E. Bruno, A. Caldwell, J. Catmore, C.-H. Chang, K.-T. Chao, E. Chudakov, P. Cortese, P. Crochet, A. Drutskoy, U. Ellwanger, P. Faccioli, A. Gabareen Mokhtar, X. Garcia i Tormo, C. Hanhart, F. A. Harris, D. M. Kaplan, S. R. Klein, H. Kowalski, J.-P. Lansberg, E. Levichev, V. Lombardo, C. Lourenço, F. Maltoni, A. Mocsy, R. Mussa, F. S. Navarra, M. Negrini, M. Nielsen, S. L. Olsen, P. Pakhlov, G. Pakhlova, K. Peters, A. D. Polosa, W. Qian, J.-W. Qiu, G. Rong, M. A. Sanchis-Lozano, E. Scapparini, P. Senger, F. Simon, S. Stracka, Y. Sumino, M. Voloshin, C. Weiss, H. K. Wöhri, C.-Z. Yuan	Yes	2011	February	Eur.j.Phys.C,71(2),10178 (2011)
JLAB-THY-10-1199	Exclusive Scattering from Unpolarized and Polarized Deuteron	Sabine Jeschonnek, Jay Van Orden	Yes	2011	March	Few Body Syst.49:65-70,2011
JLAB-THY-10-1228	Transverse nucleon structure and diagnostics of hard parton-parton processes at LHC	L. Frankfurt, M. Strikman, C. Weiss	Yes	2011	March	Phys. Rev. D 83, 054012 (2011) [11 pages]
JLAB-THY-11-01	Extracting the Omega- electric quadrupole moment from lattice QCD data	G. Ramalho, M.T. Pena	Yes	2011	March	Phys.Rev.D83:054011,2011
JLAB-THY-11-07	Evidence for quark-hadron duality in gamma*-p helicity cross sections	S. P. Malace, W. Melnitchouk, A. Psaker	Yes	2011	March	Phys. Rev. C 83, 035203 (2011) [6 pages]
JLAB-THY-10-1203	Heavy-particle formalism with Foldy-Wouthuysen representation	Bingwei Long, Vadim Lensky	Yes	2011	April	Phys.Rev.C83:045206,2011
JLAB-THY-10-1278	Solar fusion cross sections II: the pp chain and CNO cycles	E. G. Adelberger, A. B. Balantekin, D. Bemmerer, C. A. Bertulani, J.-W. Chen, H. Costantini, M. Couder, R. Cyburt, B. Davids, S. J. Freedman, M.Gai, A. Garcia, D. Gazit, L. Gialanella, U. Greife, M. Hass, K. Heeger, W. C. Haxton, G. Imbriani, T. Itahashi, A. Junghans, K. Kubodera, K. Langanke, D. Leitner, M. Leitner, L. E. Marcucci, T. Motobayashi, A. Mukhamedzhanov, Kenneth M. Nollett, F. M. Nunes, T.-S. Park, P. D. Parker, P. Prati, M. J. Ramsey-Musolf, R. G. Hamish Robertson, R. Schiavilla, E. C. Simpson, K. A. Snover, C. Spitaleri, F. Strieder, K. Suemmerer, H.-P. Trautvetter, R. E. Tribble, S. Typel, E. Uberseder, P. Vetter, M. Wiescher, L. Winslow	Yes	2011	April	Rev. Mod. Phys. 83, 195–246 (April 2011)
JLAB-THY-10-1291	The phase-shift of isospin-2 pi-pi scattering from lattice QCD	Jozef J. Dudek, Robert G. Edwards, Michael J. Peardon, David G. Richards, Christopher E. Thomas	Yes	2011	April	Phys.Rev.D83:071504,2011
JLAB-THY-10-1296	Evidence for a bound H-dibaryon from lattice QCD	S.R. Beane, E. Chang, W. Detmold, H.W. Lin, T.C. Luu, K. Orginos, A. Parreno, M.J. Savage, A. Torok, A. Walker-Loud	Yes	2011	April	Phys.Rev.Lett.106:162001,2011

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-11-06	Generalized Parton Distributions and their Singularities	Anatoly Radyushkin	Yes	2011	April	Phys. Rev. D 83, 076006 (2011)
JLAB-THY-11-1307	Mellin representation of the graviton bulk-to-bulk propagator in AdS	Ian Balitsky	Yes	2011	April	Phys.Rev.D83:087901,2011
JLAB-THY-11-1470	A model independent analysis of gluonic pole matrix elements and universality of TMD fragmentation functions	Leonard Gamberg, Asmita Mukherjee, Piet J. Mulders	Yes	2011	April	Phys.Rev.D83:071503,2011
JLAB-THY-10-1176	Relation between transverse momentum dependent distribution functions and parton distribution functions in the covariant parton model approach	A.V. Efremov, P. Schweitzer, O.V. Teryaev, P. Zavada	Yes	2011	May	Phys.Rev.D83:054025,2011.
JLAB-THY-10-1266	Exploring intrinsic quark momentum distributions with lattice QCD	Bernhard U. Musch, Philipp Hagler, John W. Negele, Andreas Schafer	Yes	2011	May	Phys. Rev. D 83, 094507 (2011) [37 pages]
JLAB-THY-10-1268	Determining pseudoscalar meson photoproduction amplitudes from complete experiments	A. M. Sandorfi, S. Hoblit, H. Kamano, T.-S. H. Lee	Yes	2011	May	J.Phys.G 38:053001,2011
JLAB-THY-10-1289	Resonance Parameters of the Rho-Meson from Lattice QCD	Xu Feng, Karl Jansen, Dru Renner	Yes	2011	May	Phys.Rev.D83:094505,2011.
JLAB-THY-11-1334	Role of high-spin hyperon resonances in the reaction of $\gamma p \rightarrow K^+ K^+ \Lambda^0$	J. Ka Shing Man, Yongseok Oh, K. Nakayama	Yes	2011	May	Phys.Rev.C83:055201,2011
JLAB-THY-09-1008	Lattice QCD and the Jefferson Laboratory Program	Jozef Dudek, Robert Edwards, David Richards, Konstantinos Orginos	Yes	2011	June	Published in J.Phys.Conf.Ser.299:012007,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-THY-11-03	General Helicity Formalism for Polarized Semi-Inclusive Deep Inelastic Scattering	A. Prokudin, M. Anselmino, M. Boglione, U. D'Alesio, S. Melis, F. Murgia, E.R. Nocera	Yes	2011	June	Phys. Rev. D 83, 114019 (2011) [24 pages]
JLAB-THY-11-08	Deeply Virtual Exclusive Processes and Generalized Parton Distributions	Charles Hyde, Michel Guidal, Anatoly Radyushkin	Yes	2011	June	J.Phys.Conf.Ser.299:012006,2011
JLAB-THY-11-1313	Unpolarized Structure Functions	M. E. Christy, W. Melnitchouk	Yes	2011	June	Published in J.Phys.Conf.Ser.299:012004,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-THY-11-1314	Isoscalar meson spectroscopy from lattice QCD	Jozef Dudek, Robert Edwards, David Richards, Christopher Thomas, Balint Joo, Michael Peardon	Yes	2011	June	Phys. Rev. D 83, 111502(R) (2011) [5 pages]
JLAB-THY-11-1382	Results From the N* Program at Jefferson Lab	I G Aznauryan, V D Burkert, T -S H Lee and V I Mokeev	Yes	2011	June	Published in J.Phys.Conf.Ser.299:012008,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-THY-11-1471	Contributions From $\gamma Z$ Box Diagrams to Parity Violating Elastic e-p Scattering	Benjamin Rislw, Carl Carlson	Yes	2011	June	Phys.Rev.D83:113007,2011
JLAB-THY-11-1472	Naive time-reversal odd phenomena in semi-inclusive deep-inelastic scattering from light-cone constituent quark models	Barbara Pasquini, Peter Schweitzer	Yes	2011	June	Phys.Rev.D83:114044,2011
JLAB-THY-11-1312	Uncertainties in determining parton distributions at large x	Alberto Accardi, Wolodymyr Melnitchouk, Jeff Owens, Michael Christy, Cynthia Keppel, Lingyan Zhu, Jorge Morfin	Yes	2011	July	Phys.Rev.D84:014008,2011
JLAB-THY-11-1332	Lattice QCD study of mixed systems of pions and kaons	William Detmold, Brian Smigielski	Yes	2011	July	Phys. Rev. D 84, 014508 (2011) [15 pages]
JLAB-THY-11-1364	High Statistics Analysis using Anisotropic Clover Lattices: (IV) The Volume Dependence of the Light Hadron Masses	S.R. Beane, E. Chang, W. Detmold, H.W. Lin, T.C. Luu, K. Orginos, A. Parreno, M.J. Savage, A. Torok, A. Walker-Loud	Yes	2011	July	Phys. Rev. D 84, 014507 (2011) [21 pages]
JLAB-THY-11-1430	Final-state interactions in semi-inclusive deep inelastic scattering off the Deuteron	Wim Cosyn, Misak Sargsian	Yes	2011	July	Phys.Rev. C84 (2011) 014601 [12 pages]

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JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-10-1318	Partonic Transverse Motion in Unpolarized Semi-Inclusive Deep Inelastic Scattering Processes	M. Boglione, S. Melis, A. Prokudin	Yes	2011	August	Phys. Rev. D 84, 034033 (2011) [17 pages]
JLAB-THY-11-1315	New formulation of gamma-Z box corrections to the weak charge of the proton	P. G. Blunden, W. Melnitchouk, A. W. Thomas	Yes	2011	August	Phys. Rev. Lett. 107, 081801 (2011) [5 pages]
JLAB-THY-11-1333	Two-flavor QCD correction to lepton magnetic moments at leading-order in the electromagnetic coupling	Dru Renner, Xu Feng, Karl Jansen, Marcus Petschlies	Yes	2011	August	Phys. Rev. Lett. 107, 081802 (2011) [4 pages]
JLAB-THY-11-1383	The two-nucleon electromagnetic charge operator in chiral effective field theory ( $\chi$ EFT) up to one loop	S. Pastore, L. Girlanda, R. Schiavilla, M. Viviani, S. Pastore, L. Girlanda, R. Schiavilla, M. Viviani	Yes	2011	August	Phys. Rev. C 84, 024001 (2011) [15 pages]
JLAB-THY-11-1406	Two-body photodisintegration of He-3 between 7-MeV and 16-MeV	W. Tornow, H.J. Karwowski, J.H. Kelley, R. Raut, G. Rusev, S.C. Stave, A.P. Tonchev, A. Deltuva, A.C. Fonseca, L.E. Marcucci, M. Viviani, A. Kievsky, J. Golak, R. Skibiński, H. Witała, R. Schiavilla	Yes	2011	August	Phys.Lett.B702:121-126,2011.
JLAB-THY-11-1416	A covariant model for the gamma N -> N(1535) transition at high momentum transfer	G. Ramalho, M.T. Pena	Yes	2011	August	Phys.Rev.D84:033007,2011
JLAB-THY-11-1449	A simple relation between the gamma N -> N(1535) helicity amplitudes	Gilberto Ramalho, Kazuo Tsushima	Yes	2011	September	Phys. Rev. D 84, 051301(R) (2011) [4 pages]
JLAB-THY-11-1468	Octet Baryon Electromagnetic Form Factors in a Relativistic Quark Model	Gilberto Ramalho, Kazuo Tsushima	Yes	2011	September	Phys. Rev. D 84, 054014 (2011)
JLAB-THY-10-1304	Analysis of the new Crystal Ball data on $K^+ \rightarrow \pi^0 \Lambda$ reaction with beam momenta of 514 and 750 MeV/c	Puze Gao, B.S. Zou, A. Sibirtsev	Yes	2011	October	Nucl.Phys. A867 (2011) 41-51
<b>FY2012</b>						
JLAB-THY-11-1327	Bessel-Weighted Asymmetries in Semi Inclusive Deep Inelastic Scattering	D. Boer, L. Gamberg, B.U. Musch, A. Prokudin	Yes	2011	October	JHEP 1110 (2011) 021
JLAB-THY-11-1365	Review of two-photon exchange in electron scattering	J. Arrington, P. G. Blunden, W. Melnitchouk	Yes	2011	October	Prog.Part.Nucl.Phys.66 2011:782-833,2011.
JLAB-THY-11-1370	Excited state baryon spectroscopy from lattice QCD	Robert Edwards, Jozef Dudek, David Richards, Stephen Wallace	Yes	2011	October	Phys. Rev. D 84, 074508 (2011) [29 pages]
JLAB-THY-11-1377	Realizing vector meson dominance with transverse charge densities	Gerald Miller, Mark Strikman, Christian Weiss	Yes	2011	October	Phys.Rev. C84 (2011) 045205
JLAB-THY-11-1387	The lightest hybrid meson supermultiplet in QCD	Jozef Dudek	Yes	2011	October	Phys. Rev. D 84, 074023 (2011) [14 pages]
JLAB-THY-11-1389	Precision Study of Excited State Effects in Nucleon Matrix Elements	Simon Dinter, Constantia Alexandrou, Martha Constantinou, Vincent Drach, Karl Jansen, Dru B. Renner	Yes	2011	October	Phys.Lett. B704 (2011) 89-93
JLAB-THY-11-1405	Negative parity baryon decays in the 1/N <sub>c</sub> expansion	Chandana Jayalath, Jose Goity, Emiliano Gonzalez de Urreta, Norberto Scoccola	Yes	2011	October	Phys. Rev. D 84, 074012 (2011) [16 pages]
JLAB-THY-11-1407	Next-to leading order analysis of target mass corrections to structure functions and asymmetries	L. T. Brady, A. Accardi, T. J. Hobbs, W. Melnitchouk	Yes	2011	October	Phys. Rev. D 84, 074008 (2011) [16 pages]
JLAB-THY-10-1256	Chiral Perturbation Theory, the 1/N <sub>c</sub> expansion and Regge behavior determine the structure of the lightest scalar meson	J Ruiz de Elvira, JR Pelaez, MR Pennington, DJ Wilson	Yes	2011	November	Phys. Rev. D 84, 096006 (2011) [19 pages]



## THEORY PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
JLAB-THY-11-1326	Present Constraints on the H-dibaryon at the Physical Point from Lattice QCD	Silas Beane, E. Chang, Will Detmold, Balint Joo, Huey-Wen Lin, T.C. Luu, Konstantinos Orginos, Assumpta Parreno, Martin Savage, Aaron Torok, Andre Walker-Loud	Yes	2011	November	Mod.Phys.Lett.A26(34), 2587-2595, 2011
JLAB-THY-11-1372	The Role of the Roper in Chiral Perturbation Theory	Bingwei Long, U. van Kolck	Yes	2011	November	Nuclear Physics A, Volumes 870-871, November 2011, Pages 72-82
JLAB-THY-11-1401	Renormalizing chiral nuclear forces: a case study of 3P0	Bingwei Long, Chieh-Jen Yang	Yes	2011	November	Phys.Rev. C84 (2011) 057001
JLAB-THY-11-1412	Axial couplings in heavy hadron chiral perturbation theory at the next-to-leading order	William Detmold, David Lin, Stefan Meinel	Yes	2011	November	Phys. Rev. D 84, 094502 (2011) [19 pages]
JLAB-THY-11-1426	Are the Dressed Gluon and Ghost Propagators in the Landau Gauge presently determined in the confinement regime of QCD?	Michael Pennington, David Wilson	Yes	2011	November	Phys. Rev. D 84, 094028 (2011) [15 pages]
JLAB-THY-11-1385	Unitary coupled-channels model for three-mesons decays of heavy mesons	Hiroyuki Kamano, Tsung-Shung Lee, Toru Sato, Satoshi Nakamura	Yes	2011	December	Phys. Rev. D 84, 114019 (2011) [20 pages]
JLAB-THY-11-1447	Constraints on the large-x d/u ratio from electron-nucleus scattering at x>1	O. Hen, A. Accardi, W. Melnitchouk and E. Piasetzky	Yes	2011	December	Phys. Rev. D 84, 117501 (2011) [4 pages]
JLAB-THY-11-1368	Helicity operators for mesons in flight on the lattice	Christopher Thomas, Robert Edwards, Jozef Dudek	Yes	2012	January	Phys. Rev. D 85, 014507 (2012) [22 pages]
JLAB-THY-11-1379	Leading twist nuclear shadowing phenomena in hard processes with nuclei	Leonid Frankfurt, Vadim Guzey, Mark Strikman	Yes	2012	January	In Press, Corrected Proof <a href="http://dx.doi.org/10.1016/j.physrep.2011.12.002">http://dx.doi.org/10.1016/j.physrep.2011.12.002</a>
JLAB-THY-11-1441	Chiral effective field theory predictions for muon capture on deuteron and $^3\text{He}$	Laura E. Marcucci, A. Kievsky, S. Rosati, R. Schiavilla, M. Viviani	Yes	2012	January	Phys. Rev. Lett. 108, 052502 (2012) [4 pages]
JLAB-THY-12-1419	Quadratic electroweak corrections for polarized Moller scattering	A. Aleksejevs, S. Barkanova, Y. Kolomensky, E. Kuraev, V. Zykunov	Yes	2012	January	Phys. Rev. D 85, 013007 (2012) [10 pages]
JLAB-THY-11-1378	Charge independence, charge symmetry breaking in the S-wave nucleon-nucleon interaction, and renormalization	Alvaro Calle Cordon, Manuel Pavon Valderrama, Enrique Ruiz Arriola	Yes	2012	February	Phys. Rev. C 85, 024002 (2012) [13 pages]
JLAB-THY-11-1381	The $I=2$ $\pi\pi$ S-wave Scattering Phase Shift from Lattice QCD	S.R. Beane, E. Chang, W. Detmold, H.W. Lin, T.C. Luu, K. Orginos, A. Parreno, M.J. Savage, A. Torok, A. Walker-Loud	Yes	2012	February	Phys. Rev. D 85, 034505 (2012) [12 pages]
JLAB-THY-11-1436	The Deuteron and Exotic Two-Body Bound States from Lattice QCD	Silas Beane, Emmanuel Change, Will Detmold, William Detmold, Huey-Wen Lin, T.C. Luu, K. Orginos, Assumpta Parreno, Martin Savage, Aaron Torok, Andre Walker-Loud	Yes	2012	March	Phys. Rev. D 85, 054511 (2012) [15 pages]
JLAB-THY-11-1464	Renormalizing Chiral Nuclear Forces: Triplet Channels	Bingwei Long, Chieh-Jen Yang	Yes	2012	March	Phys. Rev. C 85, 034002 (2012) [9 pages]
JLAB-THY-12-1479	Hybrid Baryons in QCD	Jozef J. Dudek, Robert G. Edwards	Yes	2012	March	Phys. Rev. D 85, 054016 (2012) [11 pages]
JLAB-THY-12-1490	Resonance Region Structure Functions and Parity Violating Deep Inelastic Scattering	Carl E. Carlson, Benjamin C. Rislow	Yes	2012	April	Phys. Rev. D 85, 073002 (2012) [6 pages]
JLAB-THY-12-1497	Global fitting of single spin asymmetry: an attempt	Alexey Prokudin, Zhong-Bo Kang	Yes	2012	April	Phys. Rev. D 85, 074008 (2012) [9 pages]

## ACCELERATOR PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Published Year	Published Month	JOURNAL REFERENCE
<b>FY09 AFTER Science &amp; Technology Review</b>						
JLAB-ACC-08-931	Large crystal grain niobium thin films deposited by energetic condensation in vacuum arc	X. Zhao, A-M. Valente-Feliciano, C. Xu, R.L. Geng, H. Phillips, Charles Reece, J. Wright, K. Seo, R. Crooks, Mahadevan Krishnan, A. Gerhan, B. Bures, K. Wilson	Yes	2009	July	J. Vac. Sci. Technol. A Volume 27, Issue 4, pp. 620-625 (July 2009)
JLAB-ACC-09-986	The influence of chemical treatments on the superconducting properties of technical niobium materials and their effect on the performance of superconducting radio frequency cavities	S. B. Roy, V. C. Sahni, Ganapati Rao Myneni	Yes	2009	September	Supercon. sci. technol.22 (2009) 105014
<b>FY2010</b>						
JLAB-ACC-09-1058	Experimental studies of light emission phenomena in superconducting RF cavities	P.L. Anthony, J.R. Delayen, D. Fryberger, W.S. Goree, J. Mammosser, Z.M. Szalata, J.G. Weisend II	Yes	2009	December	Nucl.Instrum.Meth.A612:1-45 ,2009
JLAB-ACC-10-1142	High field Q slope and the baking effect: Review of recent experimental results and new data on Nb heat treatments	G. Ciovati, G. Myneni, F. Stevie, P. Maheshwari, D. Griffis	Yes	2010	February	Phys.Rev.ST Accel.Beams 13:022002,2010
JLAB-ACC-10-1143	Update on coaxial coupling scheme for International Linear Collider-type cavities	Peter Kneisel, Jacek Sekutowicz	Yes	2010	February	Phys.Rev.ST Accel.Beams 13:022001,2010
JLAB-ACC-10-1144	Load-locked dc high voltage GaAs photogun with an inverted-geometry ceramic insulator	P.A. Adderley, J. Clark, J. Grames, J. Hansknecht, K. Surles-Law, D. Machie, M. Poelker, M.L. Stutzman, R. Suleiman	Yes	2010	February	Phys.Rev.ST Accel.Beams 13:010101,2010
JLAB-ACC-10-1204	High field Q-slope and the baking effect: a brief review of recent experimental results and new data on Nb heat treatments	Gianluigi Ciovati, Ganapati Myneni, Fred Stevie, Prateek Maheshwari, Dieter Griffis	Yes	2010	February	Phys. Rev. ST Accel. Beams 13, 022002 (2010) – Published February 22, 2010
JLAB-ACC-10-1307	Generalized phase-space tomography for intense beams	D. Stratakis, R. A. Kishek, S. Bernal, R. B. Fiorito, I. Haber, M. Reiser, P. G. O'Shea, K. Tian, J. C. T. Thangaraj	Yes	2010	February	Phys.Plasmas 17 (2010) 056701
JLAB-ACC-10-1138	A low-voltage retarding-field Mott polarimeter for photocathode characterization	J.L. McCarter, M.L. Stutzman, K.W. Trantham, T.G. Anderson, A.M. Cook, T.J. Gay	Yes	2010	June	Nucl.Instrum.Meth.A618:30-36,2010
JLAB-ACC-10-1139	Buffered electropolishing parameters on niobium sheet	Song Jin, Xiangyang Lu, Lin Lin, Andy T. Wu, Kui Zhao	Yes	2010	June	Phys.Rev.ST Accel.Beams 13:061001,2010
JLAB-ACP-10-1252	Beam-beam issues in ELIC	Balsa Terzic, Yuhong Zhang, Ji Qiang	Yes	2010	August	Published in ICFA Beam Dyn.Newslett.52:144-149,2010
JLAB-ACC-09-1117	Evaluation of the diffusion coefficient of fluorine during the electropolishing of niobium	Hui Tian, Charles E. Reece	Yes	2010	August	Phys. Rev. ST Accel. Beams 13, 083502 (2010) [7 pages]
JLAB-ACC-10-1238	Modification on surface oxide layer structure and surface morphology of niobium by gas cluster ion beam treatments	A. T. Wu, D. R. Swenson, Z. Insepov	Yes	2010	September	Phys.Rev.ST Accel.Beams 13:093504,2010
<b>FY2011</b>						

## ACCELERATOR PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Published Year	Published Month	JOURNAL REFERENCE
JLAB-ACP-10-1251	Betatron motion with coupling of horizontal and vertical degrees of freedom	Valeri Lebedev, Alex Bogacz	Yes	2010	October	JINST 5:P10010,2010
JLAB-ACP-10-1300	Compton Sources of Electromagnetic Radiation	Geoffrey Krafft, Gerd Priebe	Yes	2010	October	Book: Reviews of Accelerator Science and Technology, Volume 3 (2010), Page: 147-163
JLAB-ACC-10-1286	The Potential of an Ultimate Storage Ring for Future Light Sources	M. Bei, M. Borland, Y. Cai, P. Elleaume, R. Gerig, K. Harkay, L. Emery, A. Hutton, R. Hettel, R. Nagaoka, D. Robin, C. Steier	Yes	2010	October	Nuclear Instruments & Methods in Physics Research, Section A, Volume 622, Issue 3, 21 October 2010, Pages 518-535
JLAB-ACC-10-1305	Plasma treatment of bulk niobium surface for superconducting rf cavities: Optimization of the experimental conditions on flat samples	M. Raskovic, J. Upadhyay, L. Vuskovic, S. Popovic, A-M. Valente-Feliciano, L. Phillips	Yes	2010	November	Phys.Rev.ST Accel.Beams 13:112001,2010
JLAB-ACC-10-1317	Plasma treatment of bulk niobium surface for superconducting rf cavities: Optimization of the experimental conditions on flat samples	M. Raskovic, J. Upadhyay, L. Vuskovic, S. Popovic, A-M. Valente-Feliciano, L. Phillips	Yes	2010	November	Phys. Rev. ST Accel. Beams 13, 112001 (2010) – Published November 4, 2010
JLAB-ACC-09-1123	Characterization of etch pits found on a large-grain bulk niobium superconducting radio-frequency resonant cavity	Xin Zhao, Gianluigi Ciovati, Andy Wu, Charles Reece	Yes	2010	December	Phys.Rev.ST Accel.Beams 13 (2010) 124701
JLAB-ACC-09-1124	Surface Characterization of Nb Samples Electro-polished Together With Real Superconducting Radio-frequency Accelerator Cavities	Xin Zhao, Rong-Li Geng, P.V. Tyagi, Hitoshi Hayano, Shigeki Kato, Michiru Nishiwaki, Takayuki Saeki, Motoaki Sawabe	Yes	2010	December	Phys.Rev.ST Accel.Beams 13:124702,2010 (December 2010)
JLAB-ACC-09-1026	Buffered Electrochemical Polishing of Niobium	Gianluigi Ciovati, Hui Tian, Sean Corcoran	Yes	2011	March	Journal of Applied Electrochemistry, Volume 41, Number 6, 721-730 (March 31, 2011)
JLAB-ACC-11-1346	First demonstration and performance of an injection locked continuous wave magnetron to phase control a superconducting cavity	A.C. Dexter, G. Burt, R.G. Carter, I. Tahir, H. Wang, K. Davis, R. Rimmer	Yes	2011	March	Phys.Rev.ST Accel.Beams 14:032001,2011. (March 17, 2011)
JLAB-ACC-11-1344	Charge and fluence lifetime measurements of a dc high voltage GaAs photogun at high average current	J. Grames, R. Suleiman, P.A. Adderley, J. Clark, J. Hansknecht, D. Machie, M. Poelker, M.L. Stutzman	Yes	2011	April	Phys.Rev.ST Accel.Beams 14:043501,2011
JLAB-ACP-10-1133	X-ray Sources by Energy Recovered Linacs and Their Needed R&D	Geoffrey Krafft, Stephen Benson, Michael Borland, David Douglas, David Dowell, Carlos Hernandez-Garcia, Dmitry Kayran, Robert Legg, Elizabeth Moog, Takashi Obina, Robert Rimmer, Vitaly Yakimenko	Yes	2011	May	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 637, Issue 1, 1 May 2011, Pages 1-11
JLAB-ACP-10-1227	X-ray Sources by Energy Recovered Linacs and Their Needed R&D	S. Benson, M. Borland, D. R. Douglas, D. Dowell, C. Hernandez-Garcia, D. Kayran, G. A. Krafft, R. Legg, E. Moog, T. Obina, R. Rimmer, V. Yakimenko	Yes	2011	May	Nuclear Inst. and Methods in Physics Research, A 637 (2011), pp. 1-11
JLAB-ACC-10-1299	Radio Frequency Surface Impedance Characterization System for Superconducting Samples at 7.5 GHz	Binping Xiao, Charles Reece, Michael Kelley, H. Phillips, Larry Phillips, Rongli Geng, Haipeng Wang, Frank Marhauser	Yes	2011	May	Rev. Sci. Instrum. 82, 056104 (2011); doi:10.1063/1.3575589 (3 pages) (25 May 2011)

## ACCELERATOR PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Published Year	Published Month	JOURNAL REFERENCE
JLAB-ACP-11-1344	CEBAF accelerator achievements	Y.C. Chao, M. Drury, C. Hovater, A. Hutton, G.A. Krafft, M. Poelker, C. Reece, M. Tiefenback	Yes	2011	June	J.Phys.Conf.Ser.299:012015,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)
JLAB-ACP-11-1375	New Density Estimation Methods for Charged Particle Beams With Applications to Microbunching Instability	Balsa Terzic, Gabriele Bassi	Yes	2011	July	Phys. Rev. ST Accel. Beams 14, 070701 (2011) [23 pages] (published July 8, 2011)
JLAB-ACC-11-1384	Thermal-vacuum stability of the surface oxide complex on Cu	M. Bagge-Hansen, R. A. Outlaw, K. Seo, C. E. Reece, J. Spradlin, D. M. Manos	Yes	2011	July	J. Vac. Sci. Technol. A 29, 053001 (2011)
JLAB-ACC-11-1385	Silicidation of Niobium Deposited on Silicon by Physical Vapor Deposition	Coumba Ndoye, Kandabara Tapily, Marius Orłowski, Helmut Baumgart, Diefeng Gu	Yes	2011	July	J. Electrochem. Soc. 158, H897 (2011)
JLAB-ACC-11-1354	Twin Symmetry Texture of Energetically Condensed Niobium Thin Films on Sapphire Substrate (a-plane Al <sub>2</sub> O <sub>3</sub> )	Xin Zhao, Larry Phillips, Charles Reece, Kang Seo, Mahadevan Krishnan, Enrique Valderrama	Yes	2011	August	J. Appl. Phys. 110, 033523 (2011)
<b>FY2012</b>						
JLAB-ACC-11-1389	Design, fabrication, RF test at 2 K of 1050MHz, $\beta=0.49$ single cell large and fine grain niobium cavity	J Mondal, G Ciovati, P Kneisel, K C Mittal, G R Myneni	Yes	2011	November	JINST 6 T11003
JLAB-ACC-11-1386	Influence of nitrogen background pressure on structure of niobium nitride films grown by pulsed laser deposition	Ashraf H. Farha, Ali O. Er, Yüksel Ufuktepe, Ganapati Myneni, Hani E. Elsayed-Ali	Yes	2011	December	Surface and Coatings Technology, Volume 206, Issue 6, 15 December 2011, Pages 1168-1174
JLAB-ACC-11-1387	Effects of substrate temperature on properties of NbNx films grown on Nb by pulsed laser deposition	Ashraf Hassan Farha, Ali Oguz Er, Yüksel Ufuktepe, Ganapati Myneni, Hani E. Elsayed-Ali	Yes	2011	December	Applied Surface Science, Volume 258, Issue 4, 1 December 2011, Pages 1613-1618
JLAB-ACP-11-1458	Beam dynamics studies for transverse electromagnetic mode type rf deflectors	Shahid Ahmed, Geoffrey A. Krafft, Kirsten Deitrick, Subashini U. De Silva, Jean R. Delayen, Michael Spata, Michael Tiefenback, Alicia Hofler, Kevin Beard	Yes	2012	February	Phys. Rev. ST Accel. Beams 15, 022001 (2012) [9 pages]
JLAB-ACC-12-1489	Magneto thermal conductivity of superconducting Nb with intermediate level of impurity	L.S. Sharath Chandra, M.K. Chattopadhyay, S.B. Roy, V.C. Sahni, G.R. Myneni	Yes	2012	March	Supercond. Sci. Technol. 25 035010 (March 2012)
JLAB-ACC-12-1505	Energetic condensation growth of Nb thin films	M. Krishnan, E. Valderrama, C. James, X. Zhao, J. Spradlin, A-M Valente Feliciano, L. Phillips, C. E. Reece, K. Seo, Z. H. Sung	Yes	2012	March	Phys. Rev. ST Accel. Beams 15, 032001 (2012) [15 pages]

## ESH&Q PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
<b>FY 2011</b>						
JLAB-EHSQ-10-004	Calculation of electron and isotopes dose point kernels with fluka Monte Carlo code for dosimetry in nuclear medicine therapy	F. Botta, M. Cremonesi, A. Di Dia, G. Pedroli, A. Mairani, G. Battistoni, A. Fassò, A. Ferrari, M. Ferrari, G. Paganelli, M. Valente	Yes	2011	June	Med. Phys. 38, 3944 (2011) (11 pages)

## FEL Publications

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Published Year	Published Month	JOURNAL REFERENCE	Proceedings?
<b>FY09 AFTER Science &amp; Technology Review</b>							
JLAB-FEL-08-742	New Experimental Limit on Photon Hidden-Sector Paraphoton Mixing	A. Afanasev, O.K. Baker, K.B. Beard, G. Biallas, J. Boyce, M. Minarni, R. Ramdon, M. Shinn, P. Slocum	Yes	2009	August	Phys.Lett.B679:317-320,2009.	No
JLAB-FEL-09-1004	Marangoni Convection during Free Electron Laser Nitriding of Titanium	Daniel Hoche, Sven Muller, Gerd Rapin, Michelle Shinn, Elvira Remdt, Maik Gubisch, Peter Schaaf	Yes	2009	August	Metallurgical and Materials Transactions B, Volume 40, Number 4, 497-507 (August 2009)	No
JLAB-FEL-09-996	High Power Free Electron Lasers Book Chapter	George Neil	Yes	2009	September	Book Chapter for High Power Free Electron Lasers	No
<b>FY2010</b>							
JLAB-FEL-09-1066	Synchrotron Sources	Steven L. Hulbert, Gwyn P. Williams	Yes	2009	October	Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics, Michael Bass, Virendra N. Mahajan, Casimer Decusatis, Guifang Li, Carolyn MacDonald, Eric Van Stryland	No
JLAB-FEL-09-968	Calculations of Synchrotron Radiation Emission in the Transverse Coherent Limit	Gwyn Williams, Steve Hulbert	Yes	2009	October	Rev. Sci. Instrum. 80, 106103 (October 2009)	No
JLAB-FEL-09-990	Very long single- and few-walled boron nitride nanotubes via the pressurized vapor/condenser method	Michael W. Smith, Kevin Jordan, Cheol Park, Jae-Woo Kim, Peter Lillehei, Roy Crooks, Joycelyn Harrison	Yes	2009	November	Nanotechnology 20 (50), 505604 (November 2009)	No
JLAB-FEL-09-1056	A study of competitive adsorption of organic molecules onto mineral oxides using DRIFTS	Joan E. Thomas, Michael J. Kelley	Yes	2010	February	Journal of Colloid and Interface Science, Volume 342, Issue 2, 15 February 2010, Pages 474-478	No
JLAB-FEL-10-1167	Free electron lasers: Present status and future challenges	W.A. Barletta, J. Bisognano, J.N. Corlett, P. Emma, Z. Huang, K.-J. Kim, R. Lindberg, J.B. Murphy, G.R. Neil, D.C. Nguyen, C. Pellegrini, R.A. Rimmer, F. Sannibale, G. Stupakov, R.P. Walker, A.A. Zholents	Yes	2010	June	Nucl.Instrum.Meth.A618:69-96,2010	No
JLAB-FEL-10-1318	Terahertz spectroscopy with a holographic Fourier transform spectrometer plus array detector using coherent synchrotron radiation	Nikolay I. Agladz, John Klop Gwyn William s, Albert J. Sievers	Yes	2010	June	Applied Optics, 49 (17), 3239 (2 June 2010)	No
<b>FY2011</b>							
JLAB-FEL-11-1312	Cathode R&D for future light sources	D.H. Dowell, I. Bazarov, B. Dunham, K. Harkay, C. Hernandez-Garcia, R. Legg, H. Padmore, T. Rao, J. Smedley, W. Wan	Yes	2010	October	Nuclear Instruments & Methods A, 622, 685-697 (2010)	No
JLAB-FEL-11-1311	A simple gating technique for high-average-current photo-injectors	S. Zhang, S. Benson, P. Evtushenko, F. Wilson	Yes	2011	February	Nuclear Instruments & Methods A, 629, 11-15 (2011)	No

## FEL Publications

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Published Year	Published Month	JOURNAL REFERENCE	Proceedings?
JLAB-FEL-10-1255	Observation and Measurement of Temperature Rise and Distribution on GaAs Photo-cathode Wafer with a 532nm Drive Laser and a Thermal Imaging Camera	Shukui Zhang, Stephen Benson, Carlos Hernandez-Garcia	Yes	2011	March	Nuclear Instruments & Methods A, 631, 22-25 (2011) - 1 March 2011	No
JLAB-FEL-11-1318	Femtosecond pulse damage thresholds of dielectric coatings in vacuum	Michelle Shinn, Duy N. Nguyen, Luke A. Emmert, Paul Schwoebel, Dinesh Patel, Carmen S. Menoni, Wolfgang Rudolph	Yes	2011	March	Optics Express, Vol. 19 Issue 6, pp.5690-5697 (2011)	No
JLAB-FEL-11-1412	A novel approach to characterizing the surface topography of niobium superconducting radio frequency (SRF) accelerator cavities	Hui Tian, Guilhem Ribeill, Chen Xu, Charles E. Reece, Michael J. Kelley	Yes	2011	March	Applied Surface Science, Volume 257, Issue 11, 15 March 2011, Pages 4781-4786	No
JLAB-FEL-11-1354	The Jefferson Lab free electron laser program	Stephen V. Benson, David Douglas, George R. Neil, Michelle D. Shinn	Yes	2011	June	Published in J.Phys.Conf.Ser.299:012014,2011 (New Insights into the Structure of Matter: The First Decade of Science at Jefferson Lab)	No
JLAB-FEL-11-1317	A Proposed VUV Oscillator-based FEL Upgrade at Jefferson Lab	S. V. Benson, D. R. Douglas, P. Evtushenko, F. E. Hannon, C. Hernandez-Garcia, J. M. Klopff, R. A. Legg, G. R. Neil, M. D. Shinn, C. D. Tennant, S. Zhang, G.P. Williams	Yes	2011	August	Journal of Modern Optics 58:15, 1438-1451, 2011 (August 2011)	No
FY2012							
JLAB-FEL-11-1367	Enhanced Characterization of Niobium Surface Topography	Chen Xu, Hui Tian, Charles Reece, Michael Kelley	Yes	2011	December	Phys.Rev.ST Accel.Beams 14 (2011) 123501	No
JLAB-FEL-12-1496	Radial elasticity of multi-walled boron nitride nanotubes	Michael W. Smith, Cheol Park, Meng Zheng, Changhong Ke, In-Tae Bae, Kevin Jordan	Yes	2012	February	Nanotechnology 23 095703	No

## Information Technology PUBLICATIONS

JLAB NUMBER	TITLE OF PAPER	AUTHOR(S)	Published?	Year Published	month	JOURNAL REFERENCE
<b>FY 2011</b>						
JLAB-IT-11-05	Building the International Lattice Data Grid	Mark G. Beckett, Paul Coddington, Bálint Joó, Chris M. Maynard, Dirk Pleiter, Osamu Tatebe, Tomoteru Yoshie	Yes	2011	June	Computer Physics Communications, Volume 182, Issue 6, June 2011, Pages 1208-1214