Determination of higher twist

References

[1] E.V. Shuryak and A.I. Vainshtein, Nucl. Phys. **B201**, 141 (1982), Nucl. Phys. **B199** 451 (1982).
Theory of power corrections to deep inelastic scattering in quantum chromodynamics, Q^-4 effects, polarized targets; Q^-2 effects.

[2] V.M. Braun and A.V. Kolesnichenko, Nucl. Phys. **B283**, 723 (1987).
Power corrections to Bjorken and Llewellyn Smith sum rules in QCD.

[3] I.I. Balitsky, V.M. Braun, and A.V. Kolesnichenko, JEPT Lett. **50**, 61 (1989).
Power law correction to parton sum rule for deep inelastic scattering by polarized targets.

[4] I.I. Balitsky, V.M. Braun, and A.V. Kolesnichenko, Phys. Lett. **B242** 245 (1990) and Erratum, Phys. Lett. **B318** 648 (1993).
Power corrections $1/Q^2$ to parton sum rules for deep inelastic scattering from polarized nucleons.

[5] V.M. Braun, Report MPI-PH-93-78, Sept. 1993, Leipzig Workshop on high energy physics, Kyffhauser, Germany, Sept, 1993.
Deep inelastic scattering beyond pertubation theory.

[6] I. Balitsky and V. Braun, Phys. Lett. **B314** 237 (1993).
Instanton-induced contributions to structure fonctions of deep inelastic scattering.

[7] I. Balitsky, Preprint, PSU-TH-139, Dec 1993.
Instanton-induced particle production in deep inelastic scattering.

[8] X. Ji and P. Unrau, Phys. Rev. Lett. **B333,** 228, 1994, Preprint MIT-CPT-2232, August 1993
Q^2 Dependence of the proton's G_1 Structure Function Sum Rule.

[9] M. Virchaux and A. Milsztajn, Phys. Lett. **B274** 221 (1992).
A measurement of α_s and of higher twists from QCD analysis of high statistic F_2 data on hydrogen and deuterium targets.

[10] P.G. Ratcliffe, Milano Preprint MITH-28/93, December 1993.
Twist, Spin and Nucleon Structure Functions.

[11] S. Matsuda and T. Uematsu, Nucl. Phys. **B168,** 181, (1980).
Target mass effect in polarized electroproduction.

[12] V. D. Burkert and B. L. Ioffe , Phys. Lett. **B296,** 223, 1992, Preprint CEBAF-PR-92-018 (1992).
On the Q^2 variation of spin dependent deep inelastic electron-scattering.

[13] B.L. Ioffe and A. Yu. Khodjamirian, Preprint ITEP-41, 1992.

[14] V. D. Burkert and B. L. Ioffe, CEBAF preprint, CEBAF-PR-93-034, October 1993.

[15] J. Chyla and A.L. Kataev, Phys. Lett. **B297**, 385, (1992).
Next-to-next-to-leading order QCD analysis of the Gross-Llewellyn Smith sum rule and higher twists effects.

[16] J. Ellis and M. Karliner, Phys. Lett. **B313** 131, (1993).
Analysis of Data on Polarized Lepton-Nucleon Scattering.

[17] J. Ellis and M. Karliner, Phys. Lett. **B341** 397, (1995).
Determination of α_s and the nucleon spin decomposition using recent polarized structure function data.

[18] F. E. Close and R. G. Roberts, Preprint RAL-93-040, June 1993, Phys. Lett. **B 316** , 165, 1993.
Consistent analysis of the spin content of the nucleon.

[19] A. L. Kataev and A. V. Sidorov, Preprint CERN-TH-7235/94, May, 1994.
The Gross-Llewellyn Smith sum rule: theory vs experiment

[20] G. G. Ross and R. G. Roberts, Phys. Lett. **B 322**, 425, 1994.
Improved QCD sum rule estimates of the higher twists contributions to polarized and unpolarized nucleon structure functions.

[21] X. Ji, Preprint MIT/CTP/2288, HEP/PH/9403260 , March 1994.
Q^2-dependence of deep inelastic sum rules.

[22] X. Song and J.S. Mc Carthy, Phys. Rev. **D49**, 3169, 1994, **D50** 4718, 1994, Erratum, X. Song, INPP-UVA-95/04, 1995.
Model calculations of nucleon structure functions.

[23] M. Stratmann, Z. Phys. **C60** , 763, 1993.
Bag model predictions for polarized structure functions and their Q^2 evolutions.

[24] R.D. Ball, *et al.* Preprint CERN/Th/7189/94, March 1994.
Anomalous evolution of non-singlet nucleon structure functions.

[25] A.H. Mueller, Phys. Lett. **B 308**, 355, (1993).
Combining higher twist terms with finite order pertubative contributions

[26] G. Altarelli, P. Nason and G. Ridolfi, Phys. Lett. **B320,** 152, 1994, Erratum **B325,** 538, 1994. Preprint CERN-TH-7023/93.
On the Q^2 dependence of the measured polarized structure function.

[27] G. Altarelli and G. Ridolfi, Preprint CERN-TH-7415/94, QCD 94 Workshop, Montpellier, France, July 1994.
Understanding the proton spin structure : a status report.

[28] S. Forte, Preprint CERN-TH-7453/94, September 1994, Tennessee Int. Symp. on radiative corrections : status and outlook, Gatlinburg TN, 27 june-1 july, 1994.
Polarized structure functions and phenomenology.

[29] V. D. Burkert, B. L. Ioffe, Preprint ITEP 12-14, April 1994, JEPT, 78, 619, 1994.
Polarized structure functions of proton and neutron and the Gerasimov -Drell-Yearn and Bjorken sum rules.

[30] L. Mankiewicz and Z. Ryzak. Phys. Rev. **D43,** 733, 1991.
Parton interpretation of the nucleon spin-dependent structure functions.

[31] L. Mankiewicz and A. Schafer, Phys. Lett. **B274,** 199, 1992.
Nuclear effects for g_2.

[32] B. Ehrnsperger, A. Schafer, W. Greiner, Phys. Lett. **B321,** 121, 1994.
The connection between single transverse spin asymmetries and the second moment of g_2.

[33] E. Stein, P. Gornicki, L. Mankiewicz, A. Schafer, W. Greiner, Phys. Lett. **B343,** 369, 1995, Preprint UFTP-366-1994.
QCD sum rule calculation of twist 3 contributions to polarized nucleon structure functions.

[34] B. Ehrnsperger, L. Mankiewicz and A. Schafer, Phys. Lett. **B323** 439, 1994.
OPE analysis for polarized deep inelastic scattering.

[35] B. Ehrnsperger and A. Schafer, Preprint UFTP 370/1994. Phys. Rev. **D 52,** 2709, 1995.
A model for the Q^2 dependence of polarized structure functions.

[36] Zhenping Li and Zhujun Li, Phys. Rev. **D 50** , 3119,Λ 1994.
Q^2 dependence of the spin structure function in the resonance region.

[37] A.V. Belitskii, A.V. Efremov, O.V. Teryaev, Phys. Atom. Nucl. 58, 1253, 1995. JINR-E2-413.
Gluon contribution to the transverse spin structure function G2.

[38] E. Stein,*et al.,* Phys. Lett.**B343,** 369, 1995.

[39] E. Stein, P. Gornicki, L. Mankiewicz, A. Schafer, Preprint UFTP 380/1995, Phys. Lett. **B353,** 107, 1995.
QCD Sum Rule Calculation of Twist-4 Corrections to Bjorken and Ellis Jaffe Sum Rules.

[40] S. Narison, G. M. Shore, G. Veneziano, Nucl. Phys. **B433** , 209, 1995.
Target independence of the EMC-SMC effect.

[41] J. Soffer and O. V. Teryaev, Phys. Rev. **D 51** 25, 1995.
G_2 manifestation for longitudinally polarized particles.

[42] Xiangdong Ji, Preprint MIT-CTP-2411, January 1995, HEP-PH-9502288.
Physics of Q^2 dependence in the nucleon's $G_1(x, Q^2)$ structure functions.

[43] Xiangdong Ji, Preprint MIT-CPT-2468, Sept. 1995, submitted to Phys. Rev. D, HEP-PH/9509288.
Polarizabilities of gluon fields in a polarized nucleon.

[44] A. V. Efremov and E. Leader, Preprint BNL-60734, February 1995.
On the Testing of Sum-Rules in Polarized Deep Inelastic Scattering.

[45] Y. Yasui, Preprint Hiroshima HUPD-9503, January 1995, HEP-PH-9501367, YITP Workshop from hadronic matter to quark matter, Kyoto, Japan, 30 Oct -1 Nov 1994.
Analysis of the spin structure functions g_2(x,Q^2) and twists-3 operators.

[46] J. Kodeira, Y. Yasui and T. Uematsu, Phys. Lett. **B344** 348, 1995.
Spin structure functions g_2(x,Q^2) and twists-3 operators in QCD. operators.

[47] H. Kawamura and T. Uematsu, Phys. Lett. **B343** , 346, 1995, Preprint Tokyo, KUCP-76, HEP-PH-9501368.
Target Mass Corrections to QCD Bjorken Sum Rule for Nucleon Spin Structure Functions.

[48] A. V. Kotikov and D. V. Peshehonov, Preprint ENSLAPP-A-499-94, November 1994.
The Q^2 evolution of the Asymmetry.

[49] A. V. Belitsky, A. V. Efremov, O. V. Teryaev. Preprint JINR-E2-94-413, Oct. 1994 , Yadernaia Fiz. , vol. 58, No. 7, 1333, 1995, Phys. of Atomic Nuclei, vol 58, No. 7, 1253, 1995.
Gluon contribution to the transverse spin structure function G_2

[50] A. Kataev, Preprint CERN-TH.7465/94, Symposium on "Radiative corrections: Status and outlook". Gatlinburg,Tennessee, USA, 27 june- 1 July 1994.
Radiative QCD corrections: A personal outlook.

[51] V.M. Braun, Proc. XXXth Rencontres de Moriond, Les Arcs, 19-25 Mar. 1995, France, Moriond 1995: Hadronic:271-278 (QCD161:R4:1995:V.2) HEP-PH/9505317
QCD Renormalons and Twist Effects.

[52] I. Balitsky, Preprint MIT-CTP-2470, HEP-PH-9509348, Sept 1995.
Operator expansion for high-energy scattering

[53] M. Gockeler et al., HEP-LAT/9508004.
A lattice evaluation of the deep-inelastic structure function of the nucleon.

[54] M. Anselmino *et al.,* Phys. Lett. **B358,** 109. 1995.
Higher twist corrections to Bjorken sum rule.

[55] X. Ji, J. Tang and P. Hoodbhoy, Preprint MIT-CTP-2476, Oct 1995.
The spin of the nucleon in the asymptotic limit.

[56] R.D. Ball, S. Forte and G. Ridolfi, Preprint CERN-TH-95-266.
Next-to-leading order determination of the singlet axial charge and the polarized gluon content of the nucleon.

[57] Xiangdong Ji, Preprint, MIT-CPT-2480, Submitted To Baryon 95, Santa Fe, Oct 1995.
Spin structure functions of the nucleon.

[58] J. Ellis and M. Karliner, Preprint CERN-TH/95-279, TAUP-2297-95, HEP-PH 9510402, Nov 1995.
Nucleon spin.

[59] L. Mankiewicz, E. Stein, and A. Schafer, Workshop on the prospects of spin physics at HERA, DESY-Zeuthen, HEP-PH/9510418, Aug 28-31, 1995.
Q^2 Dependence of the Bjorken Sum Rule.

[60] Wei Lu, Phys. Rev. **D53,** 131, 1996.
Spin dependent structure function G(1) and G(2) for inclusive spin 1/2 baryon production in electron positron annihilation

[61] R.G. Roberts, G.G. Ross, Preprint RAL-TR-95-057, Jan. 1996, HEP-PH/9601235. Phys. Lett.**B373,**235, 1996
Quark model description of polarized deep inelastic scattering and the prediction of g2.

[62] Jian-Jun-Yang *et al.,* Preprint BIHEP-TH-95-41-REV. Feb. 1996.
Non-trivial Q^2 dependence in the Gottfried sum induced by non-pertubative effect.

[63] R.L. Jaffe, Preprint MIT-CPT-2506, Feb. 1996, HEP-PH/9602236.
Spin, twist and hadron structure in deep inelastic processes.

[64] C. Ciofi *et al.,* Preprint NUCL-TH/9601045.
The neutron spin struture functions from the deuteron in the resonnance region.

[65] S.A. Gurvitz, A. Mair and M. Traini. HEP-PH/9604377.Scaling approach to higher twist corrections.

[66] G. Martinelli and G. Sachrajda. May 1996, Preprint CERN-TH-96-117, HEP-PH/9605336.
On the difficulty of computing higher twist corrections.

[67] M.Meyer-Hermann, M. Maul, L. Mankiewicz, E. Stein, A. Schafer, HEP-PH/9605229, May 1996.
IR contribution to the polarized structure function G1.

[68] G. Martinelli and G. Sachrajda. May 1996, Preprint CERN-TH-96-117, HEP-PH/9605336.
On the difficulty of computing higher twist corrections.

[69] M.Meyer-Hermann, M. Maul, L. Mankiewicz, E. Stein, A. Schafer, HEP-PH/9605229, May 1996.
IR contribution to the polarized structure function .

[70] A.V. Kotikov, HEP-PH/9604269, April 1996.
About the $Q**2$ dependence of asymmetry A_1.

[71] A.V. Kotikov, D.V. Peshekhonov, April 1996, Preprint PRINT-96-140 (Annecy).
The $Q**2$ evolution of the spin dependent asymmetry A1(P) at large and intermediate x.

[72] A.V. Kotikov, G. Parente, HEP-PH/9605207, May 1996.
The longitudinal structure function FL as a function of F2 and DF(2)/DF2 DLNQ**2 at small x. The next-to-leading analysis.

[73] J. Blumlein, A. Vogt, Phys. Lett. **B370,** 149, 1996. HEP-PH/9510410.
On the behavior of the nonsinglet structure functions at small x.

[74] J. Blumlein and N. Kochelev, Preprint DESY-96-040, March 1996. HEP-PH/9603397.
On the twist-2 contributions to polarized structure functions and new sum rules.

[75] J. Kodeira, Y. Yasui, K. Tanaka and T. Uematsu. March 1996, HEP-PH/9603377.
QCD corrections to the nucleon's spin structure function G2 (x,Q**2).

[76] D. Boer, R.D. Tangerman, Preprint NIKEF-96-016, Mar 1996, HEP-PH/9603428.
Higher twist quark mass contributions to deep inelastic scattering.

[77] W. Vogelsang, HEP-PH/9603366, Mar. 1996, RAL-TR-96-020.
The spin dependent two loop splitting functions.

[78] A.V. Kiselev, HEP-PH/9604424, CERN-TH-96-110, April 1996. Quark mass effects in deeply inelastic scattering.

[79] T. Uematsu, Preprint KUCP-89, HEP-PH/9603375. Mar 1996. Higher twists effects in spin structure functions.

[80] S.A. Gurvitz, A. Mair, M. Traini, Preprint WIS-96-17-PH, March 1996, HEP-PH/9604377.
Scaling approach to higher twist corrections.

[81] G. Martinelli and G. Sachrajda. May 1996, Preprint CERN-TH-96-117, HEP-PH/9605336.
On the difficulty of computing higher twist corrections.

[82] M.Meyer-Hermann, M. Maul, L. Mankiewicz, E. Stein, A. Schafer, HEP-PH/9605229, May 1996.
IR contribution to the polarized structure function G1.

[83] H. Kawamura, HEP-PH/9605466, May 1996. Z. Phys. **C75,** 27, 1997.
QCD analysis of twist-4 contributions to the G(1) structure functions.

[84] X. Song, Phys. Rev. **D54** , 1955, 1996, HEP-PH/9604264, April 1996.
Polarized structure function G2 in the CM bag model.

[85] A.V. Sidorov, Preprint Dubna, JINR, JINR-E2-96-254, Jul. 1996, HEP-PH/9607275.
QCD analysis of the CCFR data for X F(3)and higher twist contribution.

[86] N.L. Ter-Isaakian, Phys. Lett. **B381** 331, 1996, HEP-PH/9510297.
On deuteron spin dependent structure function G2(X) in relativistic model of deuteron.

[87] M. Hirai, S. Kumano, M. Miyama, SPIN96, Amsterdam, 10-14 Sept. 1996, HEP-PH/9610521.

Numerical solution of NLO Q^2 evolution equations for spin dependent structure functions.

[88] M. Miyama, Kobe , Japan, 2-4 Oct. 1996, HEP-PH/9611221.
Q^2 evolution of structure functions in the nucleon and nuclei.

[89] M. Anselmino, *et al.,* Z. Phys. **C71,** 625, 1996.
Modeling higher twist contributions to deep inelastic scattering with diquarks.

[90] M. Anselmino, *et al.,* , Contributed to 3rd Int. Workshopon diquarks and other models of compositeness (DIQUARKS III), Turin, Italy, 28-30 Oct. 1996.
Higher twist effects in DIS: an outline of diquark contributions.

[91] A.I. Signal, HEP-PH/9610480.
Calculation of higher twist distribution functions in the MIT bag model.

[92] A.V. Sidorov, JINR RAPID COMMUN.80:11,1996, Sept. 1996, HEP-PH/9609345.
Next to next-to-leading order QCD analysis of combined data for XF3 structure function and higher twist contribution.

[93] Hai-Yang Cheng, HEP-PH/9712473, Dec. 1997.
Remarks on next-to-leading order analysis of polarized deep inelastic scattering data.

[94] Y. Koike HEP-PH/9801231, Oct. 1997.
Recent developments in pertubative QCD: Q^2 evolution of chiral odd distribution H(1) (X,Q **2) and H(L) (X, Q**2).

[95] B.L. Ioffe, Phys. Atom. Nucl. 60, 1707, 1997, Dec. 1996.
The Q^2 dependence of the sum rules for structure functions of polarized E μ N scattering.

[96] M. Hirai, S. Kumano, M. Miyama, Comp. Phys. Commun, 108, 38, 1998, HEP-PH/9707220, Jul. 1997.
Numerical solutions of Q^2 evolution equations for polarized structure functions.

[97] A. Piccione, G. Ridolfi, Nucl. Phys. **B513,** 301, 1998, HEP-PH/9707478.
Target mass effects in polarized deep inelastic scattering.

[98] E. Leader *et al.,* Int. J. Mod. Phys. **A13,** 5573, 1998, HEP-PH/9708335.
NLO QCD analysis of polarized deep inelastic scattering.

[99] A. Harindranath *et al.,* Phys. Lett. **B417,** 361, 1998, HEP-PH/9711298.
Sum rule for the twist four longitudinal structure function.

[100] A.L. Kataev, *et al.,* Phys. Lett. **B417,** 374, 1998, HEP-PH/9706534.
Next to Next-to-leading order QCD analysis of the revisited CCFR data for XF3 structure function and higher twist contributions.

[101] M.V. Polyakov, C. Weiss, Acta. Phys. Proc. Suppl. **B28,** 2751, 1997, HEP-PH/9709436.
Nucleon structure functions from the instanton vacuum: leading and non leadingtwists.

[102] A.D. Martin, M.G. Ryskin, HEP-PH/9802366, Feb. 1998.
Higher twists in deep inelastic scattering.

[103] P. Ball, *et al.,* HEP-PH/9802299, Feb. 1998, Nucl. Phys. **B259,** 323, 1998.
Higher twist distribution amplitudes of vector mesons in QCD: Formalism and twist three distributions.

[104] J. Kodaira, *et al.,* HEP-PH/9712395, Dec. 1997. Prog. Theor. Phys. 99, 315, 1998.
Renormalization of gauge invariant operators for the structure function $g_2(x, Q^2)$.

[105] Kwei-chou Yang, Hoi-Lai YU. HEP-PH/9712366, Dec. 1997.
Twist-3 and quark mass contributions to the polarized structure function $g_2(x, Q^2)$.

[106] A. Gabrielli, G. Ridolfi, HEP-PH/9709481, CERN-TH-97-255. Sept. 1997.
The gluon contribution to the polarized structure function g2.

[107] Ken Sasaki, YNU-HEPTH-98-101, HEP-PH/9803282, Mar. 1998.
Spin structure function $G2(X, Q^2)$ and twist-3 operators in large N(C) QCD.

[108] M. Karliner, HEP-PH/9804381, Jan. 1998.
Precise estimates of high orders in QCD.

[109] P.G. Radcliffe, HEP-PH/9806369, submitted to Eur. Phys. J.C.
Factorization in higher twist single spin amplitudes.

[110] U.K. Yang, A. Bodek, Q. Fan, HEP-PH/9806457, 33rd rencontres de Moriond, QCD and High energy interactions , Les Arcs, 21-28 Mar. 1998.
Parton distributions, D-U and higher twists at high x.

[111] J.A. Gracey, DIS 98, Brussels, Belgium, 4-8 Apr. 1998. HEP-PH/9805310.
Status of twist-2 operator dimensions at O(1/N(F)).

[112] A.V. Kotikov, V.D. Peshekhonov, DIS 98, Brussels, Belgium, 4-8 Apr. 1998. HEP-PH/9805374.
About Q^2 dependence of the measured asymmetry A(1)(x).

[113] A.V. Kotikov, V.G. Krivokhijine, DIS 98, Brussels, Belgium, 4-8 Apr. 1998. HEP-PH/9805353.
F(2) structure function and hiher twist contribution (nonsinglet case).

[114] O. Benhar, *et al.,* Phys. Rev. **C57,** 1532, 1998, HEP-PH/9706353.
Q^2 dependence of deep inelastic lepton scattering off nuclear targets.

[115] W. Vogelsang, CERN-TH-98-151, HEP-PH/9805295, Jan. 1998.
Q^2 dependence of spin dependent parton densities.

[116] M. Stratmann, HEP-PH/9806245, May 1998.
NLO corrections to heavy quark production with polarized beams.

[117] A. Harindranath, *et al.,* HEP-PH/9808231, Aug. 1998. Phys. Rev. **D58,** 114022, 1998.
Twist four longitudinal structure function in light front QCD.

[118] C. Bourelli, J. Soffer, O.V. Teryaev, Phys. Lett. **B420,** 375, 1998, HEP-PH/9710224.
The Q^2 evolution of Soffer inequality.

[119] Kwei-Chou-Yang, Hoi-Lai, Phys. Lett. **B430,** 186, 1998, HEP-PH/9712366.
Twist-3 and quark mass contribution to the polarized nucleon structure function $g_2(x, Q^2)$.

[120] A.D. Martin , R.G. Roberts, W.J. Stirling, R.S. Thorne, DTP-98-52, HEP-PH/9808371.
Scheme dependence, leading order and higher twist studies of MRST partons.

[121] A.V. Belitsky, *et al.,* Nucl. Phys. **B257,** 207, 1998, HEP-PH/9802411.
Next-to-leading order evolution of twist two conformal operators: the abelian case.

[122] A.D. Martin, M.G. Ryskin, Phys. Lett. **B431,** 395, 1998. HEP-PH/9802366.
Higher twists in deep inelastic scattering.

[123] A.L. Kataev, *et al.,* HEP-PH/9706534, Sept. 1998.
The QCD analysis of the CCFR data for XF3: higher twists and $\alpha_s(M(Z))$ extractions at the NNLO and beyond.

[124] A.L. Kataev, *et al.,* HEP-PH/9709509, Jul. 1998. Nucl. Phys. Proc. Suppl. 64, 138, 1998.
The QCD analysis of the revised CCFR data for XF3 structure functions: the next-to-next-to-leading order and pade approximants.

[125] M. Karliner, Acta Phys. Polon. **B29,** 1505, 1998, HEP-PH/9804381.
Precises estimates of high orders in QCD.

[126] J. Blumlein *et al.,* Acta Phys. Polon. **B29,** 2581, 1998, HEP-PH/9806355.
Relations among polarized and unpolarized splitting functions and beyond.

[127] S. Capitani, *et al.,* HEP-LAT/9809178, Sept. 1998.
Renormalization of four fermions operators for higher twist calculations.

[128] S. Capitani, M. Grazzini, HEP-PH/9810360, CERN-TH-98-325, Oct. 1998.
Collinear factorization and splitting functions for next-to-next-to-leading QCD calculations.

[129] S. Capitani, *et al.,* HEP-LAT/9809171, Sept. 1998. Nucl. Phys. Proc. Suppl. 73: 285, 1999
Towards a non pertubative calculation of DIS Wilson coefficients.

[130] M. Vanttinen *et al.,* BARYON98, Sept. 1998, HEP-PH/9810527.
Higher twist contributions in exclusive processes.

[131] A.V. Kotikov, D.V. Peshekhonov, HEP-PH/9810224, Oct. 1998.
The Q^2 dependence of the measured asymmetry A(1) from the similarity of $g_1(x, Q^2)$ and $F3(x, Q^2)$ structure functions.

[132] J. Blumlein and A. Tkabladze, HEP-PH/9812331, Dec. 1998. J. Phys. **G25,** 1553, 1999.
Target mass corrections to the spin-dependent structure functions.

[133] H. Weigel, MIT-CTP-2825, HEP-PH/9902390, Feb. 1999.
Nucleon Structure in a chiral soliton model.

[134] S. Catani, M. Grazzini, Phys. Lett. **B446,** 143, 1999, HEP-PH/9810389.
Collinear factorization and splitting functions for next-to-next-to-leading order QCD calculations.

[135] J. Blumlein, A. Tkabladze, Nucl. Phys. **B553,** 427, 1999, HEP-PH/9812478.
Target mass corrections for polarized structure functions and new sum rules.

[136] A.V. Belitsky, Phys. Lett. **B453,** 59, 1999, HEP-PH/9902361, Feb. 1999.
Fine structure of spectrum of twist-three operators in QCD.

[137] Xiangdong Ji and J. Osborne, HEP-PH/9902393, Feb. 1999.
Simplification of higher-twist evolution in the large N_c limit: why and why no. t

[138] P. Ball, V.M. Braun, Nucl. Phys. **B453,** 201, 1999 , HEP-PH/9810475.
Higher twist distribution amplitudes of vector mesons in QCD: twist-4 distributions and meson mass correction.

[139] Xiangdong Ji, J. Osborne, HEP-PH/9902393, Nov. 1998.
Simplification of higher twist evolution in the N(C) limit.

[140] S.I. Alekhin, Feb. 1999, HEP-PH/9902241.
High twist contribution to the longitudinal structure function F(L) at high X.

[141] F. Arash, A.N. Khorramian, HEP-PH/9904264, Apr. 1999.
Next-to-leading order description of nucleon structure function in valon model.

[142] I.P. Ivanov, *et al.,* Phys. Lett. **B457,** 218, 1999, HEP-PH/9903228. Mar. 1999.
Diffraction driven steep rise of spin structure function G(LT)= G(1) + G(2) at small x and DIS sum rules.

[143] B. Geyer, M. Lazar, DIS 99, Zeuthen, Germany, 19-23 Apr. 1999. HEP-PH/9905299.
Construction of nonlocal light cone operators with definite twist.

[144] A.L. Kataev, *et al.,* HEP/PH/9905310.
Higher twists and $\alpha_s(M(Z))$ extraction of the NNLO QCD analysis of the CCFR data for the XF(3) structure function.

[145] J. Bartels, C. Bontus, DESY-99-068, HEP-PH/9906308.
An estimate of twist four contributions at small x and low $Q2$.

[146] A. Vogt, HEP-PH/9906337, Jun. 1999.
Structure function evolution at next-to-leading order and beyond.

[147] S. Capitani *et al.,* DESY-99-069, HEP-PH/9906320, Jun. 1999.
Higher twist corrections to nucleon structure functions from lattice QCD.

[148] B. Dressler, M. Maul, C. Weiss. HEP-PH/9906444, Jun. 1999.
Twist-4 contribution to unpolarized structure functions F_L and F_2 from instantons.

[149] J. Soffer, O.V. Teryaev, HEP-PH/9906455, May 1999.
Improved positivity bound for deep inelastic scattering on transversely polarized nucleon.

[150] A.L. Kataev, G. Parente and A.V. Sidorov, HEP-PH/9907319, Jul.1999.
The NNLO QCD analysis of the CCFR data for xF3: Q^2- dependence of the parameters.

[151] Wei Zhu, *et al.,* HEP-PH/9907325, Jul. 1999.
Space-time properties of the higher twist amplitudes.

[152] P.J. Mulders, M. Boglione, HEP-PH/9907356, Jul. 1999.
Perspectives in polarized leptoproduction.

[153] A.V. Belitsky, HEP-PH/9907420, Jul. 1999.
Renormalization of twist three operators and integrable lattice models.

[154] W.L. van Neerven. A. Vogt, HEP-PH/9907472, Jul. 1999.
NNLO evolution of deep inelastic structure functions :the non-singlet case.

[155] V. Barone, Nucleon 99, Frascati, Italy, 7-9 Jun. 1999, HEP-PH/9908281.
Tranverse polarisation distributions.

[156] S.I. Alekhin, A.L. Kataev, HEP-PH/9908349, submitted to Nucl. Phys. A.
The NLO DGLAP extraction of α_s and higher twist terms from CCFR XF(3) and F(2) structure functions: results and scale dependence.

[157] S. Capitani *et al.,* DESY-99-098, HEP-PH/9908011, Aug. 1999.
Higher twist corrections to pion structure function:4 Fermi operators.

[158] S. Capitani *et al.,* HEP-PH/9908038, Aug. 1999.
Higher twist contributions to structure function coming from 4 Fermi operators.

[159] U.K. Yang, A. Bodek, HEP-EX/9908058, Aug. 1999.
Studies of higher twist and higher order effects in NLO and NNLO QCD analysis of lepton scattering on F(2) and R= SIGMA(L)/ SIGMA(T).

[160] J. Kodaira, *et al.,* HEP-PH/9909300, Sept.1999.
Twist-3 polarized structure functions.

[161] J. Bartels, C. Bontus,H. Spiesberger, DESY-99-118, HEP-PH/9909411.
Factorisation of twist four gluon operator contributions.

[162] A. Harindranath, *et al.,* HEP-PH/9908424, Aug. 1999.
Transverse spin in light front QCD.

[163] M. Gockeler,*et al.,* Nucl. Phys. **B544** 699, 1999.

[164] M. Gockeler,*et al.,* HEP-PH/9909253, Sept. 1999.
The polarized structure function g_2 : a lattice study revisited.

[165] W. Schaffer, HEP-PH/9908503, May 1999.
Non-pertubative effect in the parton sea.

[166] J. Bartels, M.G. Ryskin, DESY-99-139,Sept. 1999 HEP-PH/9909344.
The small-x behavior of the nonsinglet polarized structure function g_2 in the double logarithmic approximation.

[167] J. Blumlein, HEP-PH/9907543, Jul. 1999.
Relations between polarized structure functions.

[168] J. Edelman *et al.,* HEP-PH/9909524, Sep. 1999.
Resonances ant higher twist in polarized lepton nucleon scattering.

[169] W. Melnitchouk, *et al.,* HEP-EX/9912001, Dec. 1999.
Comment on 'parton distributions, D/U, and higher twist effects at high x'.

[170] B. Dressler, M.V. Polyakov, HEP-PH/9912376, Dec. 1999.
on the twist 3 contribution to H(L) in the instanton vacuum.

[171] S. I. Slekhin, HEP-PH/9912484, Dec. 1999.
The QCD renormalization scale stability of high twists and α_s in deep inelastic scattering.

[172] J. Blumlein, HEp-PH/9912550, Dec. 1999.
On the relations between polarized structure functions.

[173] V.M. Braun, G.P. Korchemsky, HEP-PH/0001130, Jan. 2000.
Evolution of twist 3 parton distributions in QCD beyond the large N(C) limit.

[174] J. Bartel,*et al.,* HEP-PH/0003042, Mar. 2000.
An estimate of higher twist at small X(B) and low Q^2 based upon a saturation model.