

References

- Abe, K. *et al.* (1997a). *Phys. Lett.*, **B404**, 377
- Abe, K. *et al.* (1997b). *Phys. Lett.*, **B405**, 180
- Abe, K. *et al.* (1997c). *Phys. Rev. Lett.*, **79**, 26
- Abreu, P. *et al.* (1995a). *Z. Phys.*, **C65**, 11
- Abreu, P. *et al.* (1995b). *Z. Phys.*, **C67**, 183
- Abreu, P. *et al.* (1997). *Phys. Lett.*, **B404**, 194
- Acciarri, P. *et al.* (1994). *Phys. Lett.*, **B341**, 245
- Ackerstaff, K. *et al.* (1997). *Phys. Lett.*, **B404**, 783
- Adams, D.L. *et al.* (1991a). *Phys. Lett.*, **B261**, 197
- Adams, D.L. *et al.* (1991b). *Phys. Lett.*, **B264**, 462
- Adams, D.L. *et al.* (1997). *Phys. Lett.*, **B396**, 338
- Adeva, B. *et al.* (1994). *Nucl. Instrum. Meth.*, **A343**, 363
- Adeva, B. *et al.* (1997). *Phys. Lett.*, **B412**, 414
- Adler, S.I. (1969). *Phys. Rev.*, **177**, 2426
- Adloff, C. *et al.* (1997). *Nucl. Phys.*, **B497**, 3
- Akchurin, N. *et al.* (1993). *Phys. Rev.*, **D48**, 3026
- Akchurin, N. *et al.* (1996). In *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore), p. 263
- Alexander, G. *et al.* (1996). *Z. Phys.*, **C72**, 365
- Alley, R.I. *et al.* (1995). *Nucl. Instrum. and Meth. in Phys. Res.*, **A365**, 1
- Altarelli, G. (1982). *Phys. Rep.*, **81**, 1
- Altarelli, G. and Parisi, G. (1977). *Nucl. Phys.*, **B126**, 298
- Altarelli, G. and Ross, G.G. (1988). *Phys. Lett.*, **B212**, 391
- Altarelli, G. *et al.* (1997). *Nucl. Phys.*, **B496**, 337
- Andersson, B., Gustafson, G. and Ingelman, G. (1979). *Phys. Lett.*, **B85**, 417
- Andersson, B. *et al.* (1983). *Phys. Rep.*, **97**, 31
- Anselmino, M. (1979). *Phys. Rev.*, **D19**, 2803
- Anselmino, M. and Leader, E. (1988). Santa Barbara Prep. NSF-88-142, unpublished

- Anselmino, M. and Murgia, F. (1998). *Phys. Lett.*, **B442**, 470
- Anselmino, M., Boglione, M. and Murgia, F. (1995). *Phys. Lett.*, **B362**, 164
- Anselmino, M., Boglione, M. and Murgia, F. (1999). *Phys. Rev.*, **D60**, 054027
- Anselmino, M., Efremov, A. and Leader, E. (1995). *Phys. Rep.*, **261**, 1
- Anselmino, M., Leader, E. and Murgia, F. (1997). *Phys. Rev.*, **D56**, 6021
- Anselmino, M., Boglione, M., Hansson, J. and Murgia, F. (2000). *Eur. Phys. J.* **C13**, 519
- Anthony, P. L. *et al.* (2000). *Phys. Lett.*, **B458**, 529
- Antille, J. *et al.* (1981). *Nucl. Phys.*, **B185**, 1
- Appel, H. (1968). In *Landolt-Bornstein*, Group 1, Vol. 3 (Springer-Verlag)
- Arneodo, M. *et al.* (1987). *Z. Phys.*, **C34**, 277
- Artru, X. and Mekhfi, M. (1990). *Z. Phys.*, **C45**, 669
- Artru, X., Czyzewski, J. and Yabuki, H. (1997). *Z. Phys.*, **C73**, 527
- Ashman, J. *et al.* (1988). *Phys. Lett.*, **B206**, 364
- Ashman, J. *et al.* (1989). *Nucl. Phys.*, **B328**, 1
- Assmann, R. *et al.* (1995). In *Proc. 1995 Particle Accelerator Conf.*, Dallas 1995 (American Physical Society), 219
- Babcock, J., Monsay, E. and Sivers, D. (1979). *Phys. Rev.*, **D19**, 1483
- Bailin, D. (1982). *Weak Interactions*, 2nd edn. (Sussex University Press)
- Ball, R.D., Forte, S. and Ridolfi, G. (1995). *Nucl. Phys.*, **B444**, 287
- Ball, R.D., Forte, S. and Ridolfi, G. (1996). *Phys. Lett.*, **B378**, 255
- Band, H.R. (1997). In *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore), 765
- Barber, D.P. (1994). *Nucl. Instrum. Meth.*, **A338**, 166
- Barber, D.P. (1996). In *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore), 98
- Bargmann, V., Michel, L. and Telegedi, V.A. (1959). *Phys. Rev. Lett.*, **2**, 435
- Barnett, R.M. *et al.* (1996). *Phys. Rev.*, **D54**, 1
- Bartels, J., Ermoliatev, B.I. and Ryskin, M.G. (1996a). *Z. Phys.*, **C70**, 273
- Bartels, J., Ermoliatev, B.I. and Ryskin, M.G. (1996b). *Z. Phys.*, **C72**, 627
- Bell, J.S. and Jackiw, R. (1969). *Nuovo Cimento*, **51A**, 47
- Benn, Z. *et al.* (1997). *Nucl. Phys.*, **B489**, 3
- Berends, F.A. and Giele, W. (1987). *Nucl. Phys.*, **B294**, 700
- Berrera, A. (1992). *Phys. Lett.* **B293**, 445
- Berman, S.M. and Jacob, M. (1965). *Phys. Rev.*, **B139**, 1023
- Bialkowski, G. (1970). *Acta Physica Polonica*, **B1**, 77
- Bjorken, J.D. and Drell, S.D. (1964). *Relativistic Quantum Mechanics* (McGraw-Hill, New York)
- Blondel, A. (1998). *Phys. Lett.*, **202B**, 145
- Blümlein, J. and Kochelev, N. (1997). *Nucl. Phys.* **B498**, 285
- Blümlein, J. *et al.* (1997). In *Proc. Workshop on Deep Inelastic Scattering off Polarized Targets: Theory Meets Experiments*, DESY-Zeuthen, September 1997 (DESY-97-200)

- Boer, D. (1998). Azimuthal Asymmetries in Hard Scattering Processes, Ph.D. thesis, NIKHEF, Amsterdam
- Boglione, M. and Leader, E. (2000). *Phys. Rev.*, **D61**, 114001
- Boros, C., Liang, Z.T., Meng, T.C. and Rittel, R. (1998). *J. Phys.*, **G24**, 75
- Botts, J. and Sterman, G. (1989). *Nucl. Phys.*, **B325**, 62
- Bouchiat, M.A. *et al.* (1960). *Phys. Rev. Lett.*, **5**, 373
- Bourrely, C., Leader, E. and Soffer, J. (1980). *Phys. Rep.*, **59**, 95
- Bourrely, C. and Soffer, J. (1975). *Phys. Rev.*, **D12**, 2932
- Bourrely, C. and Soffer, J. (1993). *Phys. Lett.*, **B314**, 132
- Bourrely, C., Renard, F.M., Soffer, J. and Taxil, P. (1989). *Phys. Rep.*, **177**, 319
- Bourrely, C., Soffer, J. and Teryaev, O.V. (1998). *Phys. Lett.*, **B420**, 375
- Braun, M.A., Gauron, P. and Nicolescu, B. (1999). *Nucl. Phys.*, **B542**, 329
- Bravar, A. *et al.* (1995). *Phys. Rev. Lett.*, **75**, 3073
- Bravar, A. *et al.* (1996). *Phys. Rev. Lett.*, **77**, 2626
- Bravar, A. *et al.* (1997). *Phys. Rev. Lett.*, **78**, 4003
- Breitenlohner, P. and Maison, D. (1977). *Comm. Math. Phys.*, **52**, 11
- Brodsky, S.J. and Lepage, G.P. (1980). *Phys. Rev.*, **D22**, 2157
- Brodsky, S.J., Burkhardt, M. and Schmidt, I. (1995). *Nucl. Phys.*, **B441**, 197
- Bunce, G. *et al.* (1976). *Phys. Rev. Lett.*, **36**, 1113
- Bunce, G. *et al.* (1992). *Particle World*, **3**, (1), 1
- Buon, J. and Steffen, K. (1986). *Nucl. Instr. Meth.*, **A245**, 248
- Buskulic, D. *et al.* (1996). *Z. Phys.*, **C69**, 183
- Buttimore, N.H., Gotsman, E. and Leader, E. (1978). *Phys. Rev.*, **D18**, 694 (See also *Phys. Rev.* **D35** (1987), 407)
- Buttimore, N.H., *et al.* (1978). *Phys. Rev.*, **D18**, 694
- Buttimore, N.H., *et al.* (1999). *Phys. Rev.*, **D59**, 114010
- Button, J. and Mermod, R. (1960). *Phys. Rev.*, **118**, 1333
- Cahn, R.M. (1975). *Phys. Lett.*, **B78**, 269
- Carey, D.C. *et al.* (1990). *Phys. Rev. Lett.*, **64**, 357
- Carlitz, R.D., Collins, J.C. and Mueller, A.H. (1988). *Phys. Lett.*, **B214**, 229
- Carruthers, P.A. (1971). *Spin and Isospin in Particle Physics* (Gordon and Breach, New York)
- Chupp, T.E. *et al.* (1992). *Phys. Rev.*, **C45**, 915
- Close, F.E. (1979). *An Introduction to Quarks and Partons* (Academic, London)
- Cohen-Tannoudji, G., Morel, A. and Navelet, H. (1968a). *Ann. Phys.*, **46**, 239
- Cohen-Tannoudji, G., Salin, P. and Morel, A. (1968b). *Nuovo Cimento*, **55A**, 412
- Colegrove, F.D., Schearer, L.D. and Walters, G.K. (1963). *Phys. Rev.*, **132**, 2561
- Collins, J. (1993). *Nucl. Phys.* **B396**, 161
- Collins, P.D.B. and Martin, A. (1984). *Hadron Interactions* (Adam Hilger, Bristol)
- Combley, F. and Picasso, E. (1974). *Phys. Rep.*, **C14**, 20
- Commins, E.D. and Bucksbaum, P.H. (1983). *Weak Interactions of Leptons and Quarks* (Cambridge University Press, Cambridge)
- Consoli, M. and Hollik, A. (1989). In *Z Physics at Lep I*, CERN Yellow Report, CERN 89-08. The report contains several other articles of relevance

- Conte, M., Penzo, A. and Pusterla, M. (1995). *Nuovo Cimento*, **108A**, 127
- Contogouris, A.P. and Papadopoulos, S. (1991). *Phys. Lett.* **B260**, 204
- Cortes, J.L. and Pire, B. (1988). *Phys. Rev.*, **D38**, 3586
- Cortes, J.L., Pire, B. and Ralston, J.P. (1992). *Z. Phys.*, **C55**, 409
- Crabb, D.G. *et al.* (1990). *Phys. Rev. Lett.*, **65**, 3241
- Crabb, D.G. and Day, D.B. (1995). *Nucl. Instrum. Meth. Phys.* **A356**, 9
- Crabb, D.G., Higley, C.B., Krisch, A.R., Raymond, E.S., Roser, T., Stewart, J.A. and Court, G.R. (1990). *Phys. Rev. Lett.*, **64**, 2627
- Crabb, D.G. and Meyer, W. (1997). *Annu. Rev. Nucl. Part. Sci.*, **47**, 67
- Craigie, N.S., Hidaka, K., Jacob, M. and Renard, F.M. (1983). *Phys. Rep.*, **99**, 69
- Cvitanović, P., Lauwers, P.G. and Schabarch, P.N. (1981). *Nucl. Phys.*, **B186**, 165
- Dalitz, R., (1966). In *Proc. Intl. School of Physics 'Enrico Fermi'*, Vol. 33 (Academic Press)
- Davier, M., Dufлот, L., Le Diberder, F. and Rougé, A. (1993). *Phys. Lett.*, **B306**, 411
- de Boer, W. *et al.* (1975). *Phys. Rev. Lett.*, **34**, 558
- De Causmaecker, P. *et al.* (1981). *Phys. Lett.*, **105B**, 215
- De Grand, I.A. and Miettinen, H.I (1981). *Phys. Rev.*, **D24**, 2419
- Derbenev, Ya.S. (1990). In *Proc. Polarized Collider Workshop*, eds. J. Collins, S.F. Heppleman and R.W. Robinett, p. 327 (AIP Conf. Proc. No. 223, New York)
- Derbenev, Ya.s. and Kondratenko, A.M. (1976). *Sov. Phys. Doklady*, **20**, 562
- Dick, L., Jeanneret, J.B., Kubišchta, W. and Antille, J. (1980). In *Proc. 4th Int. Symp. on High Energy Spin Physics*, Lausanne, p. 212
- Dicus, D.A. (1972). *Phys. Rev.*, **D5**, 1367
- Dirac, P.A.M. (1927). *Proc. Roy. Soc. London*, **A117**, 610
- Dirac, P.A.M. (1947). *The Principles of Quantum Mechanics* (Clarendon Press, Oxford)
- Doncel, M.G., Michel, L. and Minnaert, P. (1970). In *Ecole d'Eté de Gif-sur-Yvette*, ed. R. Salmeron (Ecole Polytechnique)
- Doncel, M.G., Michel, L. and Minnaert, P. (1972). *Nucl. Phys.*, **B38**, 477
- Doncheski, M.A. and Robinett, R.W. (1994). *Z. Phys.*, **C63**, 611
- Eden, R.J. (1971). *Rev. Mod. Phys.*, **43**, 15
- Edmonds, A. (1957). *Angular Momentum in Quantum Mechanics* (Princeton University Press)
- Efremov, A.V. and Korotkiyan, V.M. (1984). *Nucl. Phys.*, **39**, 962 (*Yad. Fiz.*, **39**, 1517)
- Efremov, A.V., Korotkiyan, V.M. and Teryaev, O.V. (1995). *Phys. Lett.*, **B348**, 577
- Efremov, A.V., Leader, E. and Teryaev, O.V. (1997). *Phys. Rev.*, **D55**, 4307
- Efremov, A.V. and Teryaev, O.V. (1984). *Sov. J. Nucl. Phys*, **39**, 962 (*Yad. Fiz.*, **39**, 1517)
- Efremov, A.V. and Teryaev, O.V. (1988). JINR Report E2-88-287, unpublished
- Ellis, R.K., Furmanski, W. and Petronzio, R. (1983). *Nucl. Phys.*, **B212**, 29
- Fano, U. (1957). *Rev. Mod. Phys.*, **29**, 74
- Farrar, G.R. and Jackson, D.R. (1975). *Phys. Rev. Lett.*, **35**, 1416

- Farrar, G.R. and Neri, F. (1983). *Phys. Lett.*, **B130**, 109
- Feltham, A. and Steiner, H. (1997). In *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore), p. 782
- Fernow, R.C. and Krisch, A.D. (1981). *Ann. Rev. Nucl. Part. Sci.*, **31**, 107
- Field, R.D. and Sidhu, D. (1974). *Phys. Rev.*, **D10**, 89
- Fox, G.C. and Leader, E. (1967). *Phys. Rev. Lett.*, **18**, 628
- Froissart, M. (1961). *Phys. Rev.*, **123**, 1053
- Froissart, M. and Stora, R. (1959). *Nucl. Instrum. Meth.*, **7**, 297
- Gasiorowicz, S. (1967). *Elementary Particle Physics* (John Wiley, New York)
- Gasser, J. and Leutwyler, H. (1982). *Phys. Rep.*, **87**, 77
- Gehrmann, T. (1997). In *Proc. 2nd Topical Workshop on Deep Inelastic Scattering off Polarized Targets*, Zeuthen, September 1997 (DESY, Hamburg)
- Gehrmann, T. and Stirling, W.J. (1996). *Phys. Rev.*, **D53**, 6100
- Glück, M. and Reya, E. (1988). *Z. Phys.*, **C39**, 569
- Glück, M., Reya, E., Stratmann, M. and Vogelsang, W. (1996). *Phys. Rev.*, **D53**, 4775
- Glück, M., Reya, E. and Vogelsang, W. (1992). *Phys. Rev.*, **D45**, 2552
- Goldberger, M.L. *et al.* (1960). *Phys. Rev.*, **120**, 2250
- Goldberger, M.L., Grisaru, M.T., MacDowell, S.W. and Wang, D.Y. (1960). *Phys. Rev.*, **120**, 2250
- Goldstein, G. and Owens, J. (1976). *Nucl. Phys.*, **B103**, 145
- Goloskokov, S.V. and Kroll, P. (1999). *Phys. Rev.*, **D60**, 014019
- Gordon, L.E. and Vogelsang, W. (1993). *Phys. Rev.*, **D48**, 3136
- Gordon, L.E. and Vogelsang, W. (1994). *Phys. Rev.*, **D49**, 170
- Goussset, T., Pire, B. and Ralston, J.P. (1996). *Phys. Rev.*, **D53**, 1202
- Gribov, V.N. and Lipatov, L.N. (1972). *Sov. J. Nucl. Phys.*, **15**, 438 and 675
- Grosnick, D.P. *et al.* (1990). *Nucl. Instrum. Meth.*, **A290**, 269
- Grosnick, D.P. *et al.* (1997). *Phys. Rev.*, **D55**, 1159
- Halzen, F. and Michael, C. (1971). *Phys. Lett.*, **36B**, 367
- Hamermesh, M. (1964). *Group Theory and its Application to Physical Problems* (Addison-Wesley), Ch. 9.2
- Heimann, R.L. (1973). *Nucl. Phys.*, **B64**, 429
- Heller, K. (1981). In *Proc. Int. Conf. on High Energy Phys.*, Madison, 1981 (AIP Conf. Proc. No. 68, New York), p. 61
- Heller, K. ed. (1988). In *Proc. 8th Intl. Symp. on High Energy Spin Physics* (AIP Conf. Proc. No. 187, New York)
- Hidaka, K., Monsay, E. and Sivers, D. (1979). *Phys. Rev.*, **D19**, 1503
- Hinotani, K., Neal, H.A., Predazzi, E. and Walters, G. (1979). *Nuovo Cimento* **52A**, 363
- Hollick, W. (1990). *Fortsch. Phys.*, **38**, 165
- Huang, H. and Roser, T. (1994). *Phys. Rev. Lett.*, **73**, 2982
- Ioffe, B.L. and Khodjamirian, A. (1995). *Phys. Rev.*, **D51**, 3373
- Irving, A. and Worden, R. (1977). *Phys. Rep.*, **34C**, 117

- Isgur, N. and Llewellyn-Smith, C.H. (1989). *Nucl. Phys.*, **B317**, 526
- ISHESP (1996). *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore)
- Jacob, M. (1958). *Nuovo Cimento*, **9**, 826
- Jacob, M. and Wick, G.C. (1959). *Ann. Phys.*, **7**, 404
- Jaffe, R.L and Ji, X. (1991). *Phys. Rev. Lett.*, **67**, 552
- Jaffe, R.L and Saito, N. (1996). *Phys. Lett.*, **B382**, 165
- Jackson, J.D., (1965). In *High Energy Physics, Proc. Les Houches Summer School*, eds. C. Dewitt and M. Jacob (Gordon and Breach)
- Jackson, J.D. (1976). *Rev. Mod. Phys.*, **48** (3), 417
- Jakob, R. and Kroll, P. (1992). *Z. Phys.*, **A344**, 87
- Jakob, R. and Kroll, P. (1993). *Phys. Lett.*, **B315**, 463
- Jakob, R. *et al.* (1993). *Z. Phys.*, **A347**, 109
- Jones, L.M. and Wyld, H.W. (1978). *Phys. Rev.*, **D17**, 759
- Johnson, J.R. *et al.* (1995). *Nucl. Instrum. Meth.*, **A356**, 148
- Joynson, D., Leader, E. and Nicolescu, B. (1975). *Lett. Nuovo Cimento*, **30**, 345
- Kleiss, R. (1986). *Z. Phys.*, **C33**, 433
- Kleiss, R. and Stirling, W.J. (1985). *Nucl. Phys.*, **B262**, 235
- Klepikov, N., Kogan, Z. and Shamanin, S. (1967). *Sov. J. Nucl. Phys.*, **5**, 928 (*Yad. Phz.*, **5**, 1299)
- Kleppner, D. and Greytak, T.J. (1982). In *Proc. 5th Intl. Symp. on High Energy Spin Physics* (AIP Conf. Proc. No. 95), p. 546
- Knudsen, L. *et al.* (1991). *Phys. Lett.*, **B270**, 97
- Korotkiyan, V.M. and Teryaev, O.V. (1995). *Phys. Rev.*, **D52**, R4775
- Koutchouk, J.P. and Limberg, P. (1988). In *Polarization at LEP*, CERN Yellow Report 88-06, Vol. 2, 204
- Kotanski, A. (1970). *Acta Phys. Polonica*, **B1**, 45
- Krisch, A.D. (1978). In *Proc. AIP Conf. on High Energy Polarized Proton Beams*, Ann Arbor 1977, eds. A. Krisch and A. Salthouse, No. 42 (American Institute of Physics, New York), p. 142
- Krisch, A.D. *et al.* (1989). *Phys. Rev. Lett.*, **63**, 1137
- Kroll, P. (1994). In *Proc. Conf. Physics on GeV Particle Beams*, July 1994, hep-ph/9409262
- Kunszt, Z. (1989). *Phys. Lett.*, **B218**, 243
- Kuroda, K. (1982). In AIP Conf. Proc. No. 95 (American Institute of Physics, New York)
- Lakin, W. (1955). *Phys. Rev.*, **98**, 139
- Lam, C.S. and Li, B. (1982). *Phys. Rev.*, **D28**, 683
- Landau, L. (1948). *Doklady Akad. Nauk, SSSR*, **60**, 207
- Landshoff, P.V. (1974). *Phys. Rev.*, **D10**, 1024
- Leader, E. (1968). *Phys. Rev.*, **166**, 1599
- Leader, E. (1969). *Boulder Lectures in Theoretical Physics.*, Vol XII-B (Gordon and Breach, New York), p. 1
- Leader, E. (1977). *Phys. Lett.*, **71B**, 353

- Leader, E. (1986). *Phys. Rev. Lett.*, **56**, 1542
- Leader, E. (1997). In *Proc. Workshop on Deep Inelastic Scattering off Polarized Targets*, DESY-Zeuthen, Germany
- Leader, E. and Anselmino, M. (1988). *Z. Phys.*, **C41**, 239
- Leader, E. and Predazzi, E. (1996). *An Introduction to Gauge Theories and Modern Particle Physics*, Vols. 1 and 2 (Cambridge University Press, Cambridge)
- Leader, E. and Slansky, R. (1966). *Phys. Rev.*, **148**, 1491
- Leader, E. and Sridhar, K. (1994). *Nucl. Phys.*, **B419**, 3
- Leader, E. and Trueman, L. (1997). In *Proc. RIHBN-BNL Research Center Workshop*, Vol. 2
- Leader, E., Sidorov, A.V. and Stamenov, D.B. (1998a). *Phys. Rev.*, **D58**, 114028
- Leader, E., Sidorov, A.V. and Stamenov, D.B. (1998b). *Phys. Lett.*, **D445**, 232
- Leader, E., Sidorov, A.V. and Stamenov, D.B. (1998c). *Int. J. Mod. Phys.*, **A13**, 5573
- Leader, E., Sidorov, A.V. and Stamenov, D.B. (1999). *Phys. Lett.*, **B462**, 189
- Leader, E. and Trueman, T.L. (1997). In *Proc. RIKEN-BNL Research Center Workshop*, Vol. 2 (Brookhaven Natl. Laboratory, Upton LI)
- Leader, E. and Trueman, T.L. (2000). *Phys. Rev.*, **D61**, 077504
- Lee, K. *et al.* (1993). *Nucl. Instrum. Meth.*, **A333**, 294
- Li, H. (1993). *Phys. Rev.*, **D48**, 4243
- Li, H. and Serman, G. (1992). *Nucl. Phys.*, **B381**, 129
- Lipatov, L.N. (1986). *Sov. Phys. JETP*, **63**, 904
- Lipatov, L.N. (1989). In *Perturbative Quantum Chromodynamics*, ed. A.H. Muller (World Scientific, Singapore) p. 4.
- Lipps, F.W. and Tolhoek, H.A. (1954). *Physica*, **XX**, 85 and 395
- Longo, M.J. *et al.* (1989). In *Proc. 8th Intl. Symp. on High Energy Spin Physics*, Minneapolis (AIP Conf. Proc. No. 187), p. 80
- Łukaszuk, L. and Nicolescu, B. (1973). *Lett. Nuovo Cimento*, **8**, 405
- Lundberg, B. *et al.* (1989). *Phys. Rev.*, **D40**, 3557
- Luppov, V.G. *et al.* (1996). In *Proc. 12th Intl. Symp on High Energy Spin Physics*, Amsterdam
- Mahlon, G. and Parke, S.J. (1997). *Phys. Rev.*, **D55**, 7249
- Manayenkov, S. and Ryskin, M.G. (1998). *European Phys. J.*, **C1**, 271
- Mangano, M.L., Parke, S.J. and Xu, Z. (1987). *Nucl. Phys.*, **B298**, 653
- Mangano, M.L. and Parke, S.J. (1991). *Phys. Rep.*, **200**, 301
- Margolis, B. and Thomas, G.H. (1978). In AIP Conf. Proc. No. 42 (American Institute of Physics, New York), p. 173
- Marshak, R.E. Riazuddin and Ryan, C.P. (1969). *Theory of Weak Interactions in Particle Physics* (Wiley Interscience, New York)
- Martin, A. (1966). *Nuovo Cimento*, **42**, 930 (and *ibid*, **44**, 1219)
- Martin, O., Schäfer, A., Stratmann, M. and Vogelsang, W. (1997). *Phys. Rev.*, **D57**, 3084
- Mele, B. (1994). *Mod. Phys. Lett.*, **A9**, 1239

- Mehra, J. and Rechenberg, H. (1982). *The Historical Development of Quantum Theory* (Springer Verlag)
- Mertig, R. and van Neerven, W.L. (1996). *Z. Phys.*, **C70**, 637
- Messiah, A. (1958). *Quantum Mechanics* (North Holland)
- Montague, B.W. (1984). *Phys. Rep.*, **113**(1), 1
- Mueller, A.H. (1970). *Phys. Rev.*, **D2**, 2963
- Mueller, A.H. (1981). *Phys. Rep.*, **73**, 237
- Mulders, P.J. (1997). *Nucl. Phys.*, **A622**, 239c
- Niinikoski, T.O. (1980). In *Proc. 4th Intl. Symp. on High Energy Spin Physics*, Lausanne, p. 91
- Niinikoski, T.O. and Rossmannith, R. (1985). In *Proc. Symp on Polarized Antiprotons*, Bodega Bay (AIP Conf. Proc. No. 145), p. 244
- Onel, Y., Penzo, A. and Rossmannith, R. (1986). In *Proc. Workshop on Antimatter Physics at Low Energies*, Fermilab, April 1986
- Particle Data Group (1978). *Phys. Lett.*, **75B**, 1
- Particle Data Group (1982). *Phys. Lett.*, **B111**, 1
- Peierls, R.F. and Trueman, T.L. (1964). *Phys. Rev.*, **134**, B1365
- Placidi, M. and Rossmannith, R. (1985). LEP Note, 545 (CERN, Geneva)
- Prepost, R. (1996). In *Proc. 12th Intl. Symp. on High Energy Spin Physics*, Amsterdam 1996 (World Scientific, Singapore), p. 127
- Qiu, J. and Serman, G. (1992). *Nucl. Phys.*, **B378**, 52
- Qiu, J. and Serman, G. (1999). *Phys. Rev.*, **D59**, 014004
- Ralston, J.P. and Soper, D.E. (1979). *Nucl. Phys.*, **B152**, 109
- Ramberg, E.J. *et al.* (1994). *Phys. Lett.*, **B338**, 403
- Ramsey, G.P. and Sivers, D. (1991). *Phys. Rev.*, **D43**, 2861
- Ranft, J. and Ranft, G. (1978). *Phys. Lett.*, **77B**, 309
- Ratcliffe, P.G. (1983). *Nucl. Phys.*, **B223**, 45
- Ratcliffe, P.G. (1998). In *Proc. 8th Intl. Symp. on High Energy Spin Physics*, Protvino 1998, No. 218 (Protvino, Russia), p. 210
- Rose, M. (1957). *Elementary Theory of Angular Momentum* (Wiley)
- Roser, T. *et al.* (1991). *Nucl. Instrum. Meth.*, **A301**, 42
- Rossmannith, R. and Schmidt, R. (1985). *Nucl. Instrum. Meth.*, **A236**, 231
- Sen, A. (1983). *Phys. Rev.*, **D28**, 860
- Sinclair, C.K. (1988). In *Proc. 8th Intl. Symp. on High Energy Spin Physics*, Minneapolis (AIP Conf. Proc. No. 187), p. 1412
- Sivers, D. (1990). *Phys. Rev.*, **D41**, 83
- Sivers, D. (1991). *Phys. Rev.*, **D43**, 261
- Smith, A., *et al.* (1987). *Phys. Lett.*, **B185**, 209
- Soffer, J. (1995). *Phys. Rev. Lett.*, **74**, 1292
- Soffer, J. (1999). In *Proc. Hyperon 99 Phys. Symp.*, Fermilab, September 99
- Sohnius, M.F. (1985). *Phys. Rep.*, **128**, 41
- Sokolov, A.A. and Ternov, I.M. (1963). *Dokl. Akad. Nauk. USSR*, **153**, 1052 (*Sov. Phys. Dokl.*, **8**, 1203 (1964))

- Sridhar, K. and Leader, E. (1992). *Phys. Lett.*, **B295**, 283
- Stapp, H.P. (1962). *Phys. Rev.*, **125**, 2139
- Steenberg, N. (1953). Ph.D. thesis, Oxford University
- Storrow, J. (1978). In *Electromagnetic Interactions of Hadrons*, Vol. 1, eds. A. Donnachie and G. Shaw (Plenum Press, New York), p. 263
- Sudakov, V.V. (1956). *Sov. Phys. JETP*, **3**, 65
- Teryaev, O.V. (1995). In *Proc. Zeuthen Workshop on Prospects of Spin Physics at HERA (DESY 95-200)*, p. 132
- Teryaev, O.V. and Müller, D. (1997). *Phys. Rev.*, **D56**, 2607
- Thomas, G. (1969). Thesis, University of California, Los Angeles
- Thomas, L.H. (1926). *Nature*, **117**, 514
- Thomas, L.H. (1927). *Phil. Mag.*, **3**, 1
- 't Hooft, G. and Veltman, M., (1972). *Nucl. Phys.*, **B44**, 189
- Timmermans, J. (1998). In *Proc. XVIII Intl. Symp. on Lepton-Photon Ints.*, Hamburg 1997 (World Scientific, Singapore)
- Trueman, T.L. and Wick, G. (1964). *Ann. Phys.*, **26**, 322
- Trueman, T.L. (1996). RHIC Detector Note (Brookhaven National Laboratory, January 1996)
- Uhlenbeck, G.E. and Goudsmit, S. (1925). *Nature*, **117**, 264
- Underwood, D.G. (1977). Argonne Preprint ANL-HEP-PR-77-56, unpublished
- Vogelsang, W. (1993). Ph.D. thesis, University of Dortmund: DO-TH 93/28
- Vogelsang, W. (1996). *Phys. Rev.*, **D54**, 2023
- Vogelsang, W. (1998). *Phys. Rev.*, **D57**, 1886
- Vogelsang, W. and Weber, A. (1992). *Phys. Rev.*, **D45**, 4069
- Vogelsang, W. and Weber, A. (1993). *Phys. Rev.*, **D48**, 2073
- Wang, L. (1966). *Phys. Rev.*, **142**, 1187
- Watson, A.D. (1982). *Z. Phys.*, **C12**, 123
- Weinberg, S. (1964a). *Phys. Rev.*, **133**, B1318
- Weinberg, S. (1964b). *Phys. Rev.*, **134**, B882
- Werle, J. (1963). *Nucl. Phys.*, **44**, 579
- Werle, J. (1966). *Relativistic Theory of Reactions* (North Holland, Amsterdam)
- Wick, C.G. (1962). *Ann. Phys.*, **18**, 65
- Xu, Z. *et al.* (1987). *Nucl. Phys.*, **B291**, 392
- Yang, C.N. (1950). *Phys. Rev.*, **77**, 242