

List of Publications

Tord Riemann

20 July 2015

In preparation or in press (5 Nov 2015)

1. **“MBsums – A Mathematica package for the representation of MellinBarnes integrals by multiple sums”**
M. Ochman and T. Riemann
to appear in Acta Phys. Polon. 46 (2015), Proceedings of Ustron2015, DESY 15-209, <http://arxiv.org/abs/1511.01323>
2. **“S-matrix approach to the Z resonance”**
T. Riemann
to appear in Acta Phys. Polon. 46 (2015), Proceedings of Ustron2015
3. **“Numerical approach to massive two-loop Feynman integrals”**
I. Dubovyk, J. Gluza, T. Riemann and J. Usovitsch
in preparation
4. **“Vertex integrals for lattice perturbation theory”**
J. Blümlein, K. H. Phan, I. Dubovyk, J. Gluza, T. Riemann and J. Usovitsch
in preparation
5. **“General ε -representation for scalar one-loop Feynman integrals”**
J. Blümlein, K. H. Phan and T. Riemann, , to appear in Nuclear and Particle Physics Proceedings (NPPP), Proceedings of QCD2015, DESY 15-159, <http://arxiv.org/abs/1510.01063>

Citations summary of INSPIRE

Generated on 2015-07-20, 235 papers found, 169 of them citeable (published or arXiv)

Citation summary results	Citeable papers	Published only
Total number of papers analyzed	169	98
Gesamtzahl Zitationen	9,213	6,090
Durchschnittliche Zitierung pro Artikel	54.5	62.1
Breakdown of papers by citations		
Renowned papers (500+)	1	0
Famous papers (250-499)	8	7
Very well-known papers (100-249)	14	8
Well-known papers (50-99)	27	21
Known papers (10-49)	52	40
Less known papers (1-9)	62	21
Unknown papers (0)	5	1
hHEP index	50	40

Publications

1. **“Non-planar Feynman diagrams and Mellin-Barnes representations with AMBRE 3.0”**
I. Dubovyk, J. Gluza and T. Riemann.
10.1088/1742-6596/608/1/012070
J. Phys. Conf. Ser. **608**, no. 1, 012070 (2015) [HEP entry](#)
2. **“Massive Feynman integrals and electroweak corrections”**
J. Gluza and T. Riemann.
arXiv:1412.3311 [hep-ph]
10.1016/j.nuclphysbps.2015.03.012
Nucl. Part. Phys. Proc. **261-262**, 140 [HEP entry](#)
3. **“Non-planar Feynman integrals, Mellin-Barnes representations, multiple sums”**
J. Blümlein, I. Dubovyk, J. Gluza, M. Ochman, C. G. Raab, T. Riemann and C. Schneider.
arXiv:1407.7832 [hep-ph]
PoS LL **2014**, 052 (2014) [HEP entry](#)
4. **“Summary of the ACAT round table discussion: open-source, knowledge sharing and scientific collaboration”**
F. Carminati, D. Perret-Gallix and T. Riemann.
arXiv:1407.0540 [hep-ph]
10.1088/1742-6596/523/1/012066
J. Phys. Conf. Ser. **523**, 012066 (2014) [HEP entry](#)
5. **“Complete QED NLO contributions to the reaction $e^+e^- \rightarrow \mu^+\mu^-\gamma$ and their implementation in the event generator PHOKHARA”**
F. Campanario, H. Czyż, J. Gluza, M. Gunia, T. Riemann, G. Rodrigo and V. Yundin.
arXiv:1312.3610 [hep-ph]
10.1007/JHEP02(2014)114
JHEP **1402**, 114 (2014) [HEP entry](#)
6. **“Some Remarks on Non-planar Feynman Diagrams”**
K. Bielas, I. Dubovyk, J. Gluza and T. Riemann.
arXiv:1312.5603 [hep-ph]
10.5506/APhysPolB.44.2249
Acta Phys. Polon. B **44**, no. 11, 2249 (2013) [HEP entry](#)
7. **“Reductions and Contractions of 1-loop Tensor Feynman Integrals”**
I. Dubovyk, J. Gluza, T. Riemann and A. A. Almasy.
arXiv:1311.2267 [hep-ph]
10.5506/APhysPolB.44.2241
Acta Phys. Polon. B **44**, no. 11, 2241 (2013) [HEP entry](#)
8. **“Proceedings, 11th DESY Workshop on Elementary Particle Physics: Loops and Legs in Quantum Field Theory: Wernigerode, Germany, April 15-20, 2012”**
T. Riemann.
PoS LL **2012** (2012) [HEP entry](#)
9. **“The ZFITTER project”**
A. Akhundov, A. Arbuzov, S. Riemann and T. Riemann.
arXiv:1302.1395 [hep-ph]
10.1134/S1063779614030022
Phys. Part. Nucl. **45**, no. 3, 529 (2014) [HEP entry](#)
10. **“Efficient contraction of 1-loop N-point tensor integrals”**
J. Fleischer, J. Gluza, M. Gluza, T. Riemann and R. Sevillano.
arXiv:1211.3921 [hep-ph]
PoS LL **2012**, 051 (2012) [HEP entry](#)

11. **“New developments in PJFry”**
J. Fleischer, T. Riemann and V. Yundin.
arXiv:1210.4095 [hep-ph]
PoS LL **2012**, 020 (2012) [HEP entry](#)
12. **“The SM and NLO Multileg and SM MC Working Groups: Summary Report”**
J. Alcaraz Maestre *et al.* [SM and NLO MULTILEG Working Group and SM MC Working Group Collaborations].
arXiv:1203.6803 [hep-ph] [HEP entry](#)
13. **“PJFry: A C++ package for tensor reduction of one-loop Feynman integrals”**
J. Fleischer, T. Riemann and V. Yundin [HEP entry](#)
14. **“New Results for Algebraic Tensor Reduction of Feynman Integrals”**
J. Fleischer, T. Riemann and V. Yundin.
arXiv:1202.0730 [hep-ph]
PoS RADCOR **2011**, 011 (2011) [HEP entry](#)
15. **“Theoretical Improvements for Luminosity Monitoring at Low Energies”**
J. Gluza, M. Gunia, T. Riemann and M. Worek.
arXiv:1201.0968 [hep-ph]
PoS RADCOR **2011**, 034 (2011) [HEP entry](#)
16. **“NNLO massive corrections to Bhabha scattering and theoretical precision of BabaYaga@NLO”**
C. M. Carloni Calame *et al.*
arXiv:1112.2851 [hep-ph]
10.1016/j.nuclphysbps.2012.02.061
Nucl. Phys. Proc. Suppl. **225-227**, 293 (2012) [HEP entry](#)
17. **“One-Loop Tensor Feynman Integral Reduction with Signed Minors”**
J. Fleischer, T. Riemann and V. Yundin.
arXiv:1112.0500 [hep-ph]
10.1088/1742-6596/368/1/012057
J. Phys. Conf. Ser. **368**, 012057 (2012) [HEP entry](#)
18. **“A solution for tensor reduction of one-loop N-point functions with $N \geq 6$ ”**
J. Fleischer and T. Riemann.
arXiv:1111.5821 [hep-ph]
10.1016/j.physletb.2011.12.060
Phys. Lett. B **707**, 375 (2012) [HEP entry](#)
19. **“Simplifying 5-point tensor reduction”**
J. Fleischer and T. Riemann.
arXiv:1111.4153 [hep-ph]
10.5506/APhysPolB.42.2371
Acta Phys. Polon. B **42**, 2371 (2011) [HEP entry](#)
20. **“NNLO leptonic and hadronic corrections to Bhabha scattering and luminosity monitoring at meson factories”**
C. Carloni Calame *et al.*
arXiv:1106.3178 [hep-ph]
10.1007/JHEP07(2011)126
JHEP **1107**, 126 (2011) [HEP entry](#)
21. **“Calculating contracted tensor Feynman integrals”**
J. Fleischer and T. Riemann.
arXiv:1104.4067 [hep-ph]
10.1016/j.physletb.2011.06.033
Phys. Lett. B **701**, 646 (2011) [HEP entry](#)

22. **“Proceedings, 10th DESY Workshop on Elementary Particle Theory: Loops and Legs in Quantum Field Theory: Wörlitz, Germany, April 25-30, 2010”**
J. Blümlein, S. O. Moch and T. Riemann.
10.1016/j.nuclphysbps.2010.08.009
Nucl. Phys. Proc. Suppl. **205-206**, pp.1 (2010) [HEP entry](#)
23. **“Numerical Evaluation of Tensor Feynman Integrals in Euclidean Kinematics”**
J. Gluza, K. Kajda, T. Riemann and V. Yundin.
arXiv:1010.1667 [hep-ph]
10.1140/epjc/s10052-010-1516-y
Eur. Phys. J. C **71**, 1516 (2011) [HEP entry](#)
24. **“A complete algebraic reduction of one-loop tensor Feynman integrals”**
J. Fleischer and T. Riemann.
arXiv:1009.4436 [hep-ph]
10.1103/PhysRevD.83.073004
Phys. Rev. D **83**, 073004 (2011) [HEP entry](#)
25. **“News on Ambre and CSectors”**
J. Gluza, K. Kajda, T. Riemann and V. Yundin.
arXiv:1006.4728 [hep-ph]
10.1016/j.nuclphysbps.2010.08.034
Nucl. Phys. Proc. Suppl. **205-206**, 147 (2010) [HEP entry](#)
26. **“Some variations of the reduction of one-loop Feynman tensor integrals”**
J. Fleischer and T. Riemann.
arXiv:1006.0679 [hep-ph]
PoS ACAT **2010**, 074 (2010) [HEP entry](#)
27. **“The International Large Detector: Letter of Intent”**
T. Abe *et al.* [Linear Collider ILD Concept Group - Collaboration].
arXiv:1006.3396 [hep-ex] [HEP entry](#)
28. **“A Recursive Approach to the Reduction of Tensor Feynman Integrals”**
T. Diakonidis, J. Fleischer, T. Riemann and B. Tausk.
arXiv:1002.0529 [hep-ph]
PoS RADCOR **2009**, 033 (2010) [HEP entry](#)
29. **“Round table discussion. Event generation: Are we ready for LHC?”**
P. Bartalini *et al.*
PoS ACAT **08**, 129 (2008) [HEP entry](#)
30. **“Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data”**
S. Actis *et al.* [Working Group on Radiative Corrections and Monte Carlo Generators for Low Energies Collaboration].
arXiv:0912.0749 [hep-ph]
10.1140/epjc/s10052-010-1251-4
Eur. Phys. J. C **66**, 585 (2010) [HEP entry](#)
31. **“A recursive reduction of tensor Feynman integrals”**
T. Diakonidis, J. Fleischer, T. Riemann and J. B. Tausk.
arXiv:0907.2115 [hep-ph]
10.1016/j.physletb.2009.11.049
Phys. Lett. B **683**, 69 (2010) [HEP entry](#)
32. **“The QCD form factor of heavy quarks at NNLO”**
J. Gluza, A. Mitov, S. Moch and T. Riemann.
arXiv:0905.1137 [hep-ph]
10.1088/1126-6708/2009/07/001
JHEP **0907**, 001 (2009) [HEP entry](#)

33. **“New results for loop integrals: AMBRE, CSectors, hexagon”**
J. Gluza, K. Kajda, T. Riemann and V. Yundin.
arXiv:0902.4830 [hep-ph]
PoS ACAT **08**, 124 (2008) [HEP entry](#)
34. **“A complete reduction of one-loop tensor 5- and 6-point integrals”**
T. Diakonidis, J. Fleischer, J. Gluza, K. Kajda, T. Riemann and J. B. Tausk.
arXiv:0812.2134 [hep-ph]
10.1103/PhysRevD.80.036003
Phys. Rev. D **80**, 036003 (2009) [HEP entry](#)
35. **“Proceedings, 9th DESY Workshop on Elementary Particle Theory: Loops and Legs in Quantum Field Theory: Sondershausen, Germany, 20-25 April 2008”**
J. Blümlein, S. Moch and T. Riemann.
10.1016/j.nuclphysbps.2008.09.125
Nucl. Phys. Proc. Suppl. **183**, pp.1 (2008) [HEP entry](#)
36. **“Virtual Hadronic and Heavy-Fermion $O(\alpha^2)$ Corrections to Bhabha Scattering”**
S. Actis, M. Czakon, J. Gluza and T. Riemann.
arXiv:0807.4691 [hep-ph]
10.1103/PhysRevD.78.085019
Phys. Rev. D **78**, 085019 (2008) [HEP entry](#)
37. **“On the tensor reduction of one-loop pentagons and hexagons”**
T. Diakonidis, J. Fleischer, J. Gluza, K. Kajda, T. Riemann and J. B. Tausk.
arXiv:0807.2984 [hep-ph]
10.1016/j.nuclphysbps.2008.09.091
Nucl. Phys. Proc. Suppl. **183**, 109 (2008) [HEP entry](#)
38. **“Virtual Hadronic Corrections to Massive Bhabha Scattering”**
S. Actis, J. Gluza and T. Riemann.
arXiv:0807.0174 [hep-ph]
10.1016/j.nuclphysbps.2008.09.100
Nucl. Phys. Proc. Suppl. **183**, 174 (2008) [HEP entry](#)
39. **“A new treatment of mixed virtual and real IR-singularities”**
J. Gluza and T. Riemann.
arXiv:0801.4228 [hep-ph]
PoS RADCOR **2007**, 007 (2007) [HEP entry](#)
40. **“Two-loop heavy fermion corrections to Bhabha scattering”**
S. Actis, T. Riemann, M. Czakon and J. Gluza.
eConf C **0705302**, TEV02 (2007) [HEP entry](#)
41. **“New results for 5-point functions”**
J. Gluza and T. Riemann.
arXiv:0712.2969 [hep-ph]
eConf C **0705302**, LOOP01 (2007) [HEP entry](#)
42. **“ILC Reference Design Report Volume 4 - Detectors”**
T. Behnke *et al.* [ILC Collaboration].
arXiv:0712.2356 [physics.ins-det] [HEP entry](#)
43. **“ILC Reference Design Report: ILC Global Design Effort and World Wide Study”**
J. Brau *et al.* [ILC Collaboration].
arXiv:0712.1950 [physics.acc-ph] [HEP entry](#)
44. **“Virtual hadronic and leptonic contributions to Bhabha scattering”**
S. Actis, M. Czakon, J. Gluza and T. Riemann.
arXiv:0711.3847 [hep-ph]
10.1103/PhysRevLett.100.131602
Phys. Rev. Lett. **100**, 131602 (2008) [HEP entry](#)

45. **“Fermionic NNLO contributions to Bhabha scattering”**
S. Actis, M. Czakon, J. Gluza and T. Riemann.
arXiv:0710.5111 [hep-ph]
Acta Phys. Polon. B **38**, 3517 (2007) [HEP entry](#)
46. **“Pentagon diagrams of Bhabha scattering”**
J. Fleischer, J. Gluza, K. Kajda and T. Riemann.
arXiv:0710.5100 [hep-ph]
Acta Phys. Polon. B **38**, 3529 (2007) [HEP entry](#)
47. **“International Linear Collider Reference Design Report Volume 2: Physics at the ILC”**
G. Aarons *et al.* [ILC Collaboration].
arXiv:0709.1893 [hep-ph] [HEP entry](#)
48. **“Automatizing the application of Mellin-Barnes representations for Feynman integrals”**
J. Gluza, F. Haas, K. Kajda and T. Riemann.
arXiv:0707.3567 [hep-ph]
PoS ACAT **2007**, 081 (2007) [HEP entry](#)
49. **“AMBRE: A Mathematica package for the construction of Mellin-Barnes representations for Feynman integrals”**
J. Gluza, K. Kajda and T. Riemann.
arXiv:0704.2423 [hep-ph]
10.1016/j.cpc.2007.07.001
Comput. Phys. Commun. **177**, 879 (2007) [HEP entry](#)
50. **“Two-loop fermionic corrections to massive Bhabha scattering”**
S. Actis, M. Czakon, J. Gluza and T. Riemann.
arXiv:0704.2400 [hep-ph]
10.1016/j.nuclphysb.2007.06.023
Nucl. Phys. B **786**, 26 (2007) [HEP entry](#)
51. **“Proceedings, 8th DESY Workshop on Elementary Particle Theory: Loops and Legs in Quantum Field Theory: Eisenach, Germany, 23-28 April 2006”**
J. Blümlein, S. Moch and T. Riemann.
Nucl. Phys. Proc. Suppl. **160** (2006) [HEP entry](#)
52. **“Planar two-loop master integrals for massive Bhabha scattering: $N(f)=1$ and $N(f)=2$ ”**
S. Actis, M. Czakon, J. Gluza and T. Riemann.
hep-ph/0609051
10.1016/j.nuclphysbps.2006.09.034
Nucl. Phys. Proc. Suppl. **160**, 91 (2006) [HEP entry](#)
53. **“First order radiative corrections to Bhabha scattering in d dimensions”**
J. Fleischer, J. Gluza, A. Lorca and T. Riemann.
hep-ph/0606210
10.1140/epjc/s10052-006-0008-6
Eur. J. Phys. **48**, 35 (2006) [HEP entry](#)
54. **“Advanced computing and analysis techniques in physics research. Proceedings, 10th International Workshop, ACAT05, Zeuthen, Germany, May 22-27, 2005”**
J. Blümlein, W. Friebel, T. Naumann, T. Riemann, P. Wegner and D. Perret-Gallix.
Nucl. Instrum. Meth. A **559**, pp.1 (2006) [HEP entry](#)
55. **“The planar four-point master integrals for massive two-loop Bhabha scattering”**
M. Czakon, J. Gluza and T. Riemann.
hep-ph/0604101
10.1016/j.nuclphysb.2006.05.033
Nucl. Phys. B **751**, 1 (2006) [HEP entry](#)

56. **“Differential equations and massive two-loop Bhabha scattering: The B5l2m3 case”**
M. Czakon, J. Gluza, K. Kajda and T. Riemann.
hep-ph/0602102
10.1016/j.nuclphysbps.2006.03.003
Nucl. Phys. Proc. Suppl. **157**, 16 (2006) [HEP entry](#)
57. **“On the massive two-loop corrections to Bhabha scattering”**
M. Czakon, J. Gluza and T. Riemann.
hep-ph/0511187
Acta Phys. Polon. B **36**, 3319 (2005) [HEP entry](#)
58. **“Factorizable electroweak $O(\alpha)$ corrections for top quark pair production and decay at a linear e^+e^- collider”**
K. Kolodziej, A. Staron, A. Lorca and T. Riemann.
hep-ph/0510195
10.1140/epjc/s2006-02477-x
Eur. Phys. J. C **46**, 357 (2006) [HEP entry](#)
59. **“Harmonic polylogarithms for massive Bhabha scattering”**
M. Czakon, J. Gluza and T. Riemann.
hep-ph/0508212
10.1016/j.nima.2005.11.148
Nucl. Instrum. Meth. A **559**, 265 (2006) [HEP entry](#)
60. **“ZFITTER: A semi-analytical program for fermion pair production in e^+e^- annihilation, from version 6.21 to version 6.42”**
A. B. Arbuzov, M. Awramik, M. Czakon, A. Freitas, M. W. Grünewald, K. Monig, S. Riemann and T. Riemann.
hep-ph/0507146
10.1016/j.cpc.2005.12.009
Comput. Phys. Commun. **174**, 728 (2006) [HEP entry](#)
61. **“Extended joint ECFA/DESY study on physics and detector for a linear e^+e^- collider. Proceedings, Summer Colloquium, Amsterdam, Netherlands, April 4, 2003”**
K. Ackermann *et al.* [HEP entry](#)
62. **“Electroweak physics”**
W. Hollik *et al.*
hep-ph/0501246
Acta Phys. Polon. B **35**, 2533 (2004) [HEP entry](#)
63. **“Loops and Legs in Quantum Field Theory. Proceedings, 7th Workshop on Elementary Particle Theory, Zinnowitz, Germany, April 25-30, 2004”**
J. Blümlein, S. O. Moch and T. Riemann.
Nucl. Phys. Proc. Suppl. **135** (2004) [HEP entry](#)
64. **“Physics at the CLIC multi-TeV linear collider”**
E. Accomando *et al.* [CLIC Physics Working Group Collaboration].
hep-ph/0412251 [HEP entry](#)
65. **“Master integrals for massive two-loop Bhabha scattering in QED”**
M. Czakon, J. Gluza and T. Riemann.
hep-ph/0412164
10.1103/PhysRevD.71.073009
Phys. Rev. D **71**, 073009 (2005) [HEP entry](#)
66. **“An integrated tool for loop calculations: aITALC”**
A. Lorca and T. Riemann.
hep-ph/0412047
10.1016/j.cpc.2005.09.003
Comput. Phys. Commun. **174**, 71 (2006) [HEP entry](#)

67. **“Top quark physics at colliders”**
 E. W. N. Glover *et al.*
 hep-ph/0410110
 Acta Phys. Polon. B **35**, 2671 (2004) [HEP entry](#)
68. **“Automatized calculation of 2-fermion production with DIANA and aITALC”**
 J. Fleischer, A. Lorca and T. Riemann.
 hep-ph/0409034 [HEP entry](#)
69. **“On master integrals for two loop Bhabha scattering”**
 M. Czakon, J. Gluza and T. Riemann.
 hep-ph/0409017 [HEP entry](#)
70. **“Automated use of DIANA for two-fermion production at colliders”**
 J. Gluza, A. Lorca and T. Riemann.
 hep-ph/0409011
 10.1016/j.nima.2004.07.103
 Nucl. Instrum. Meth. A **534**, 289 (2004) [HEP entry](#)
71. **“Automated calculations for massive fermion production with aITALC”**
 A. Lorca and T. Riemann.
 hep-ph/0407149
 10.1016/j.nuclphysbps.2004.09.017
 Nucl. Phys. Proc. Suppl. **135**, 328 (2004) [HEP entry](#)
72. **“A complete set of scalar master integrals for massive 2-loop Bhabha scattering: Where we are”**
 M. Czakon, J. Gluza and T. Riemann.
 hep-ph/0406203
 10.1016/j.nuclphysbps.2004.09.040
 Nucl. Phys. Proc. Suppl. **135**, 83 (2004) [HEP entry](#)
73. **“Analytic epsilon-expansion of the scalar one-loop Bhabha box function”**
 J. Fleischer, T. Riemann and O. V. Tarasov.
 hep-ph/0508194
 Acta Phys. Polon. B **34**, 5345 (2003) [HEP entry](#)
74. **“Towards high precision predictions for top quark pair production and decay at a linear collider”**
 A. Biernacik, K. Kolodziej, A. Lorca and T. Riemann.
 hep-ph/0311097
 Acta Phys. Polon. B **34**, 5487 (2003) [HEP entry](#)
75. **“ $O(\alpha)$ electroweak corrections to the processes $e^+e^- \rightarrow \tau^-\tau^+, c\bar{c}, b\bar{b}, t\bar{t}$: A comparison”**
 T. Hahn, W. Hollik, A. Lorca, T. Riemann and A. Werthenbach.
 hep-ph/0307132 [HEP entry](#)
76. **“Application of Quantum Field Theory to Phenomenology. Loops and Legs in Quantum Field Theory. Proceedings, 6th International Symposium RADCOR 2002, and 6th Zeuthen Workshop, Staffelstein, Germany, September 8-13, 2002”**
 J. Blümlein, F. Jegerlehner, T. Riemann, W. Hollik and J. H. Kühn.
 Nucl. Phys. Proc. Suppl. **116** (2003) [HEP entry](#)
77. **“Electroweak one loop corrections for e^+e^- annihilation into $t\bar{t}$ including hard bremsstrahlung”**
 J. Fleischer, A. Leike, T. Riemann and A. Werthenbach.
 hep-ph/0302259
 10.1140/epjc/s2003-01263-8
 Eur. Phys. J. C **31**, 37 (2003) [HEP entry](#)
78. **“Status of electroweak corrections to top pair production”**
 J. Fleischer, A. Leike, T. Riemann and A. Werthenbach.
 hep-ph/0211428 [HEP entry](#)

79. **“Massive two loop Bhabha scattering: The factorizable subset”**
J. Fleischer, T. Riemann, O. V. Tarasov and A. Werthenbach.
hep-ph/0211167
10.1016/S0920-5632(03)80141-X
Nucl. Phys. Proc. Suppl. **116**, 43 (2003) [HEP entry](#)
80. **“Factorizing one loop contributions to two loop Bhabha scattering and automatization of Feynman diagram calculations”**
J. Fleischer, O. V. Tarasov, T. Riemann and A. Werthenbach.
hep-ph/0210180
10.1016/S0168-9002(03)00504-7
Nucl. Instrum. Meth. A **502**, 567 (2003) [HEP entry](#)
81. **“One loop corrections to the process $e^+e^- \rightarrow t\bar{t}$ including hard bremsstrahlung”**
J. Fleischer, J. Fujimoto, T. Ishikawa, A. Leike, T. Riemann, Y. Shimizu and A. Werthenbach.
hep-ph/0203220 [HEP entry](#)
82. **“Complete electroweak one loop radiative corrections to top pair production at TESLA: A comparison”**
J. Fleischer, T. Hahn, W. Hollik, T. Riemann, C. Schappacher and A. Werthenbach.
hep-ph/0202109 [HEP entry](#)
83. **“Predictions for $\bar{\nu}\nu\gamma$ production at LEP”**
D. Bardin, S. Jadach, T. Riemann and Z. Was.
hep-ph/0110371
10.1007/s100520200948
Eur. Phys. J. C **24**, 373 (2002) [HEP entry](#)
84. **“TESLA: The superconducting electron positron linear collider with an integrated x-ray laser laboratory. Technical design report. Part 3. Physics at an e^+e^- linear collider”**
J. A. Aguilar-Saavedra *et al.* [ECFA/DESY LC Physics Working Group Collaboration].
hep-ph/0106315 [HEP entry](#)
85. **“Probing top flavor changing neutral couplings at TESLA”**
J. A. Aguilar-Saavedra and T. Riemann.
hep-ph/0102197
In 2nd ECFA/DESY Study (1998-2001), 2428-2450 [HEP entry](#)
86. **“Loops and Legs in Quantum Field Theory. Proceedings, 5th Zeuthen Workshop on elementary particle theory, Bastei, Germany, April 9-14, 2000”**
J. Blümlein and T. Riemann.
Nucl. Phys. Proc. Suppl. **89** (2000) [HEP entry](#)
87. **“Charged lepton flavor violation from massive neutrinos in Z decays”**
J. I. Illana and T. Riemann.
hep-ph/0010193
10.1103/PhysRevD.63.053004
Phys. Rev. D **63**, 053004 (2001) [HEP entry](#)
88. **“Two-Fermion Production in Electron-Positron Collisions: Two-Fermion Working Group Report”**
M. Kobel *et al.* [Two Fermion Working Group Collaboration].
hep-ph/0007180
10.5170/CERN-2000-009.269 [HEP entry](#)
89. **“Predictions for fermion pair production at e^+e^- colliders”**
M. Jack, A. Höfer, A. Leike and T. Riemann.
hep-ph/0007046
10.1016/S0920-5632(00)00816-1
Nucl. Phys. Proc. Suppl. **89**, 15 (2000) [HEP entry](#)

90. **“Predictions for lepton flavor violation in Z decays”**
 J. I. Illana and T. Riemann.
 hep-ph/0006055
 10.1016/S0920-5632(00)00824-0
 Nucl. Phys. Proc. Suppl. **89**, 64 (2000) [HEP entry](#)
91. **“Reports of the Working Groups on Precision Calculations for LEP 2 Physics: Proceedings. Four fermion production in electron positron collisions”**
 M. W. Grünewald *et al.*
 hep-ph/0005309
 In Reports of the working groups on precision calculation for LEP 2 physics, 1999, 1-135 [HEP entry](#)
92. **“Radiative corrections to $e^+e^- \rightarrow \bar{f}f$ ”**
 P. Christova, M. Jack, S. Riemann and T. Riemann.
 hep-ph/0002054
 In 2nd ECFA/DESY Study (1998-2001) 525-538 [HEP entry](#)
93. **“Deep inelastic scattering and QCD. Proceedings, 7th International Workshop, DIS’99, Zeuthen, Germany, April 19-23, 1999”**
 J. Blümlein and T. Riemann.
 Nucl. Phys. Proc. Suppl. **79** (1999) [HEP entry](#)
94. **“Predictions for $Z \rightarrow \mu\tau$ and related reactions”**
 J. I. Illana, M. Jack and T. Riemann.
 hep-ph/0001273
 In 2nd ECFA/DESY Study 1998-2001, 490-524 [HEP entry](#)
95. **“Prospects and problems in fermion pair production”**
 M. Jack and T. Riemann.
 hep-ph/9909401
 In Physics and experiments with future linear e^+e^- colliders, Sitges, 1999, 436-440 [HEP entry](#)
96. **“ZFITTER v.6.21: A semianalytical program for fermion pair production in e^+e^- annihilation”**
 D. Y. Bardin, P. Christova, M. Jack, L. Kalinovskaya, A. Olchevski, S. Riemann and T. Riemann.
 hep-ph/9908433
 10.1016/S0010-4655(00)00152-1
 Comput. Phys. Commun. **133**, 229 (2001) [HEP entry](#)
97. **“Predictions of ZFITTER v.6 for fermion pair production with acollinearity cut”**
 P. Christova, M. Jack, S. Riemann and T. Riemann.
 hep-ph/9908289 [HEP entry](#)
98. **“Hard photon emission in $e^+e^- \rightarrow \bar{f}f$ with realistic cuts”**
 P. C. Christova, M. Jack and T. Riemann.
 hep-ph/9902408
 10.1016/S0370-2693(99)00528-6
 Phys. Lett. B **456**, 264 (1999) [HEP entry](#)
99. **“Predictions for fermion pair production at LEP”**
 P. C. Christova, M. Jack, S. Riemann and T. Riemann.
 hep-ph/9812412
 In Radiative corrections: Application of quantum field theory to phenomenology, Barcelona 1998, 392-400 [HEP entry](#)
100. **“Loops and Legs in Gauge Theories. Proceedings, Zeuthen Workshop on Elementary Particle Theory, Rheinsberg, Germany, April 19-24, 1998”**
 T. Riemann and J. Blümlein.
 Acta Phys. Polon. B **29**, p. 2561 (1998) [HEP entry](#)
101. **“Off-shell W pair production with anomalous couplings: The CC11 process”**
 J. Biebel and T. Riemann.

- hep-ph/9805355
10.1007/s100529900007
Eur. Phys. J. C **8**, 655 (1999) [HEP entry](#)
102. **“Study of the Z boson at LEP”**
T. Riemann.
hep-ph/9712435 [HEP entry](#)
103. **“The Z boson resonance and radiative corrections”**
T. Riemann.
hep-ph/9711305
Acta Phys. Polon. B **28**, 2317 (1997) [HEP entry](#)
104. **“Electroweak working group report”**
D. Y. Bardin *et al.*
hep-ph/9709229 [HEP entry](#)
105. **“The Z boson resonance parameters”**
T. Riemann.
hep-ph/9709208
10.1007/BFb0106782
Lect. Notes Phys. **504**, 157 (1998) [HEP entry](#)
106. **“Semianalytic predictions for W pair production at 500 GeV”**
J. Biebel and T. Riemann.
hep-ph/9709207
In e^+e^- linear colliders, Frascati/London/Mnchen/Hamburg 1996, 139-142 [HEP entry](#)
107. **“Physics with e^+e^- linear colliders”**
E. Accomando *et al.* [ECFA/DESY LC Physics Working Group Collaboration].
hep-ph/9705442
10.1016/S0370-1573(97)00086-0
Phys. Rept. **299**, 1 (1998) [HEP entry](#)
108. **“QCD and QED in higher orders. Proceedings, Zeuthen Workshop on Elementary Particle Theory, Rheinsberg, Germany, April 21-26, 1996”**
J. Blümlein, F. Jegerlehner and T. Riemann.
Nucl. Phys. Proc. Suppl. **51C** (1996) [HEP entry](#)
109. **“GENTLE/4fan v. 2.0: A program for the semianalytic calculation of predictions for the process $e^+e^- \rightarrow 4f$ ”**
D. Y. Bardin, J. Biebel, D. Lehner, A. Leike, A. Olchevski and T. Riemann.
hep-ph/9612409
10.1016/S0010-4655(97)00051-9
Comput. Phys. Commun. **104**, 161 (1997) [HEP entry](#)
110. **“Deep inelastic scattering with tagged photons at HERA”**
D. Y. Bardin, L. Kalinovskaya and T. Riemann.
hep-ph/9612203
10.1007/s002880050572
Z. Phys. C **76**, 487 (1997) [HEP entry](#)
111. **“QED and electroweak corrections to deep inelastic scattering”**
D. Y. Bardin, J. Blümlein, P. Christova, L. Kalinovskaya and T. Riemann.
hep-ph/9611426
Acta Phys. Polon. B **28**, 511 (1997) [HEP entry](#)
112. **“Predictions for anomalous $\tau^+\tau^-\gamma$ production at LEP 1”**
J. Biebel and T. Riemann.
hep-ph/9610437
10.1007/s002880050526
Z. Phys. C **76**, 53 (1997) [HEP entry](#)

113. **“GENTLE/4fan: A package of Fortran programs for the description of e^+e^- annihilation into four fermions”**
D. Y. Bardin, D. Lehner, A. Leike and T. Riemann.
hep-ph/9603438
[HEP entry](#)
114. **“Complete initial state QED corrections to off-shell gauge boson pair production in e^+e^- annihilation”**
D. Y. Bardin, D. Lehner and T. Riemann.
hep-ph/9602409
10.1016/0550-3213(96)00354-9
Nucl. Phys. B **477**, 27 (1996) [HEP entry](#)
115. **“ WW cross-sections and distributions”**
W. Beenakker *et al.*
hep-ph/9602351
In Physics at LEP 2, Geneva 1995, vol. 1, 79-139 [HEP entry](#)
116. **“Determination of the mass of the W boson”**
Z. Kunszt *et al.*
hep-ph/9602352
In Physics at LEP 2, Geneva 1995, vol. 1, 141-205 [HEP entry](#)
117. **“Semianalytical approach to off-shell W and Z pair production”**
D. Y. Bardin, D. Lehner, T. Riemann and A. Leike.
hep-ph/9602339
In Physics and experiments with linear colliders, Morioka-Appi 1995, 616-622 [HEP entry](#)
118. **“Higgs physics at LEP 2”**
M. Carena *et al.*
hep-ph/9602250
In Physics at LEP 2, Geneva 1995, vol. 1, 351-462 [HEP entry](#)
119. **“Event generators for discovery physics”**
M. L. Mangano *et al.*
hep-ph/9602203
In Physics at LEP 2, Geneva 1995, vol. 2, 299-353 [HEP entry](#)
120. **“Hector 1.00: A program for the calculation of QED, QCD and electroweak corrections to ep and $l^\pm N$ deep inelastic neutral and charged current scattering”**
A. Arbuzov, D. Y. Bardin, J. Blümlein, L. Kalinovskaya and T. Riemann.
hep-ph/9511434
10.1016/0010-4655(96)00005-7
Comput. Phys. Commun. **94**, 128 (1996) [HEP entry](#)
121. **“Off-shell W pair production in e^+e^- annihilation: the CC11 process”**
D. Y. Bardin and T. Riemann.
hep-ph/9509341
10.1016/0550-3213(95)00645-1
Nucl. Phys. B **462**, 3 (1996) [HEP entry](#)
122. **“BHAGENE3: A Monte Carlo event generator for lepton pair production and wide angle Bhabha scattering in e^+e^- collisions near the Z peak”**
J. H. Field and T. Riemann.
hep-ph/9507401
10.1016/0010-4655(95)00131-X
Comput. Phys. Commun. **94**, 53 (1996) [HEP entry](#)
123. **“Leptonic QED corrections to the process $ep \rightarrow eX$ in Jaquet-Blondel variables”**
A. A. Akhundov, D. Y. Bardin, L. Kalinovskaya and T. Riemann.

- hep-ph/9507278
10.1016/0370-2693(93)91177-O
Phys. Lett. B **301**, 447 (1993) [HEP entry](#)
124. **“Physics at LEP 200 and beyond. Proceedings, Zeuthen Workshop on Elementary Particle Theory, Teupitz, Germany, April 10-15, 1994”**
T. Riemann and J. Blümlein.
Nucl. Phys. Proc. Suppl. **37B** (1994) [HEP entry](#)
125. **“Complete $O(\alpha)$ QED corrections to the process $ep \rightarrow eX$ in mixed variables”**
D. Y. Bardin, P. Christova, L. Kalinovskaya and T. Riemann.
hep-ph/9504423
10.1016/0370-2693(95)00932-B
Phys. Lett. B **357**, 456 (1995) [HEP entry](#)
126. **“Higgs production in $e^+e^- \rightarrow \bar{l}lq\bar{q}$ at LEP and NLC”**
D. Y. Bardin, A. Leike and T. Riemann.
hep-ph/9504204
10.1016/0370-2693(95)00587-B
Phys. Lett. B **353**, 513 (1995) [HEP entry](#)
127. **“The Line shape of the Z boson”**
T. Riemann.
hep-ph/9501215 [HEP entry](#)
128. **“Complete initial state radiation to off-shell Z^0 pair production in e^+e^- annihilation”**
D. Y. Bardin, D. Lehner and T. Riemann.
hep-ph/9411321
In High energy physics and quantum field theory, Zvenigorod 1994, 221-226, and Hamburg, DESY-94-216 [HEP entry](#)
129. **“The process $e^+e^- \rightarrow \bar{l}lq\bar{q}$ at LEP and NLC”**
D. Y. Bardin, A. Leike and T. Riemann.
hep-ph/9410361
10.1016/0370-2693(94)01526-I
Phys. Lett. B **344**, 383 (1995) [HEP entry](#)
130. **“SMATASY: A program for the model independent description of the Z resonance”**
S. Kirsch and T. Riemann.
hep-ph/9408365
10.1016/0010-4655(95)00016-9
Comput. Phys. Commun. **88**, 89 (1995) [HEP entry](#)
131. **“Model independent QED corrections to the process $ep \rightarrow eX$ ”**
A. A. Akhundov, D. Y. Bardin, L. Kalinovskaya and T. Riemann.
hep-ph/9407266
Fortsch. Phys. **44**, 373 (1996) [HEP entry](#)
132. **“Semianalytical approach to four fermion production in e^+e^- annihilation”**
D. Y. Bardin, M. S. Bilenky, D. Lehner, A. Olchevski and T. Riemann.
hep-ph/9406340
10.1016/0920-5632(94)90670-X
Nucl. Phys. Proc. Suppl. **37B**, 148 (1994) [HEP entry](#)
133. **“Semianalytical approach to Higgs production at LEP 2”**
D. Y. Bardin, A. Leike and T. Riemann.
hep-ph/9406273
10.1016/0920-5632(94)90684-X
Nucl. Phys. Proc. Suppl. **37B**, 274 (1994) [HEP entry](#)

134. **“Extended gauge models. Introduction”**
T. Riemann, D. Schaile and C. Verzegnassi.
In e^+e^- collisions at 500-GeV, Mnchen/Annecy/Hamburg 1992-93, pt. C, 345-348 [HEP entry](#)
135. **“Off-shell W pair production in e^+e^- annihilation: Initial state radiation”**
D. Y. Bardin, M. S. Bilenky, A. Olchevski and T. Riemann.
hep-ph/9507277
10.1016/0370-2693(95)00933-C, 10.1016/0370-2693(93)91305-7
Phys. Lett. B **308**, 403 (1993), [Phys. Lett. B **357**, 725 (1995)] [HEP entry](#)
136. **“Initial state radiation corrections to off-shell W pair production in e^+e^- annihilation”**
D. Y. Bardin, M. S. Bilenky, A. Olshevsky and T. Riemann.
In e^+e^- collisions at 500-GeV, Mnchen/Annecy/Hamburg 1992-93, 159-164 [HEP entry](#)
137. **“Deep inelastic scattering. Proceedings, Zeuthen Workshop on Elementary Particle Theory, Teupitz, Germany, April 6-10, 1992”**
J. Blümlein and T. Riemann.
Nucl. Phys. Proc. Suppl. **29A** (1992) [HEP entry](#)
138. **“ZFITTER: An analytical program for fermion pair production”**
T. Riemann. [HEP entry](#)
139. **“Cross-section asymmetries around the Z peak”**
T. Riemann.
hep-ph/9506382
10.1016/0370-2693(92)90911-M
Phys. Lett. B **293**, 451 (1992) [HEP entry](#)
140. **“Radiative corrections at HERA”**
H. Spiesberger *et al.* [HEP entry](#)
141. **“ ZZ' mixing and radiative corrections at LEP 1”**
A. Leike, S. Riemann and T. Riemann.
hep-ph/9507436
10.1016/0370-2693(92)90142-Q
Phys. Lett. B **291**, 187 (1992) [HEP entry](#)
142. **“Model independent treatment of QED corrections for deep inelastic neutral current scattering”**
D. Y. Bardin, A. A. Akhundov, L. Kalinovskaya and T. Riemann.
[HEP entry](#)
143. **“ZFITTER: An analytical program for fermion pair production in e^+e^- annihilation”**
D. Y. Bardin *et al.*
hep-ph/9412201
[HEP entry](#)
144. **“Electroweak parameters at HERA: Theoretical aspects”**
W. Hollik, D. Y. Bardin, J. Blümlein, B. A. Kniehl, T. Riemann and H. Spiesberger.
In Physics at HERA, Hamburg 1991, vol. 2, 923-946, and Mnchen MPI-Ph-92-030 [HEP entry](#)
145. **“New gauge bosons”**
A. Djouadi, A. Leike, T. Riemann, D. Schaile and C. Verzegnassi.
In e^+e^- collisions at 500-GeV, Munich/Annecy/Hamburg 1991, pt. B, 491-511 [HEP entry](#)
146. **“TERAD91: A program package for the calculation of the cross-sections of deep inelastic NC and CC scattering at HERA”**
A. A. Akhundov, D. Y. Bardin, L. Kalinovskaya and T. Riemann.
arXiv:0807.0822 [hep-ph]
In Physics at HERA, Hamburg 1991, Proceedings, vol. 3, 1285-1293 [HEP entry](#)

147. **“New neutral vector bosons at HERA”**
 H. U. Martyn, B. Schrempp, J. Blümlein, A. Leike, T. Riemann and G. Degrossi.
 In Physics at HERA, Hamburg 1991, Proceedings, vol. 2, 987-1002 [HEP entry](#)
148. **“Signals of new gauge bosons”**
 A. Djouadi, A. Leike, T. Riemann, D. Schaile and C. Verzegnassi.
 In Physics and experiments with linear colliders, Saariselkæ 1991, Proceedings, vol. 2, 515-520 and Hamburg, DESY 91-109 [HEP entry](#)
149. **“Signals of new gauge bosons at future e^+e^- colliders”**
 A. Djouadi, A. Leike, T. Riemann, D. Schaile and C. Verzegnassi.
 10.1007/BF01555527
 Z. Phys. C **56**, 289 (1992) [HEP entry](#)
150. **“ ZZ' mixing in presence of standard weak loop corrections”**
 A. Leike, S. Riemann and T. Riemann.
 hep-ph/9808374
[HEP entry](#)
151. **“S matrix approach to the Z line shape”**
 A. Leike, T. Riemann and J. Rose.
 hep-ph/9508390
 10.1016/0370-2693(91)90307-C
 Phys. Lett. B **273**, 513 (1991) [HEP entry](#)
152. **“QED corrected extra Z boson effects for $e^+e^- \rightarrow f^+f^-(A_{FB})$ ”**
 A. Leike and T. Riemann.
 In Standard model and beyond, Dubna 1990, 76-81 [HEP entry](#)
153. **“QED corrections to the forward backward asymmetry with extra Z bosons for $e^+e^- \rightarrow f^+f^-$ ”**
 A. Leike and T. Riemann.
 10.1007/BF01579567
 Z. Phys. C **51**, 113 (1991) [HEP entry](#)
154. **“Radiative corrections to deep inelastic scattering in the presence of an additional Z' at LEP x LHC”**
 J. Blümlein, A. Leike and T. Riemann.
 hep-ph/9808372
 In Large Hadron Collider, Aachen 1990, Proceedings, vol. 2, 1010-1013, and CERN Geneva, CERN 90-10-B, and Zeuthen Inst. Hochenergiephys., PHE-90-30 [HEP entry](#)
155. **“A comment on $O(\alpha\alpha_s)$ corrections and phenomenology of LEP experiments”**
 T. Riemann, M. Sachwitz and Z. Was. [HEP entry](#)
156. **“QED corrections with partial angular integration to fermion pair production in e^+e^- annihilation”**
 D. Y. Bardin, M. S. Bilenky, A. Sazonov, Y. Sedykh, Y. Sedykh, T. Riemann and M. Sachwitz.
 hep-ph/9801209
 10.1016/0370-2693(91)90250-T
 Phys. Lett. B **255**, 290 (1991) [HEP entry](#)
157. **“A Measurement of the Z^0 Leptonic Partial Widths and the Vector and Axial Vector Coupling Constants”**
 B. Adeva *et al.* [L3 Collaboration].
 10.1016/0370-2693(90)92111-U
 Phys. Lett. B **238**, 122 (1990) [HEP entry](#)
158. **“A determination of electroweak parameters from Z^0 decays into charged leptons”**
 B. Adeva *et al.* [L3 Collaboration].
 10.1016/0370-2693(90)91175-B
 Phys. Lett. B **250**, 183 (1990) [HEP entry](#)

159. **“A search for heavy charged and neutral leptons from Z^0 decays”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90943-Z
Phys. Lett. B **251**, 321 (1990) [HEP entry](#)
160. **“Search for the neutral Higgs bosons of the minimal supersymmetric standard model from Z^0 decays”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90942-Y
Phys. Lett. B **251**, 311 (1990) [HEP entry](#)
161. **“Search for excited τ s from Z^0 decay”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)91178-E
Phys. Lett. B **250**, 205 (1990) [HEP entry](#)
162. **“Test of QED in $e^+e^- \rightarrow \gamma\gamma$ at LEP”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)91177-D
Phys. Lett. B **250**, 199 (1990) [HEP entry](#)
163. **“Bhabha scattering with higher order weak loop corrections”**
D. Y. Bardin, W. Hollik and T. Riemann.
10.1007/BF01549702
Z. Phys. C **49**, 485 (1991) [HEP entry](#)
164. **“A test of QCD based on four jet events from Z^0 decays”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90043-6
Phys. Lett. B **248**, 227 (1990) [HEP entry](#)
165. **“A precision measurement of the number of neutrino species”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)91267-F
Phys. Lett. B **249**, 341 (1990) [HEP entry](#)
166. **“Determination of α_s from jet multiplicities measured on the Z^0 resonance”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90323-X
Phys. Lett. B **248**, 464 (1990) [HEP entry](#)
167. **“A determination of electroweak parameters from $Z^0 \rightarrow \mu^+\mu^-(\gamma)$ ”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90926-W
Phys. Lett. B **247**, 473 (1990) [HEP entry](#)
168. **“Mass limits for excited electrons and muons from Z^0 decay”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)91066-K
Phys. Lett. B **247**, 177 (1990) [HEP entry](#)
169. **“Search for the neutral higgs boson in Z^0 decay”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90040-D
Phys. Lett. B **248**, 203 (1990) [HEP entry](#)
170. **“Analytic approach to the complete set of QED corrections to fermion pair production in e^+e^- annihilation”**
D. Y. Bardin, M. S. Bilenky, A. Chizhov, A. Sazonov, A. Sazonov, O. Fedorenko, T. Riemann and M. Sachwitz.
hep-ph/9801208

- 10.1016/0550-3213(91)90080-H
Nucl. Phys. B **351**, 1 (1991) [HEP entry](#)
171. **“Measurement of $Z^0 \rightarrow b\bar{b}$ Decay Properties”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)91666-Y
Phys. Lett. B **241**, 416 (1990) [HEP entry](#)
172. **“A Measurement of the Z^0 Leptonic Partial Widths and the Forward - Backward Asymmetry”**
B. Adeva *et al.* [L3 Collaboration].
[HEP entry](#)
173. **“Report on working group A: Renormalization schemes for electroweak radiative corrections”**
M. Böhm, W. F. L. Hollik, M. Igarashi, F. Jegerlehner, T. Riemann and B. F. L. Ward.
In Radiative corrections, Brighton 1989, Proceedings, 233-243 [HEP entry](#)
174. **“QED corrections for LEP physics”**
T. Riemann.
In Theory of elementary particles, Ahrenschoop 1989, Proceedings, 282-288. [HEP entry](#)
175. **“QED corrected extra Z boson effects for $e^+e^- \rightarrow f^+f^-$ ”**
A. Leike, T. Riemann and M. Sachwitz.
In Theory of elementary particles, Ahrenschoop 1989, Proceedings, 297-308. [HEP entry](#)
176. **“QED corrected extra Z boson effects at e^+e^- colliders”**
A. Leike, T. Riemann and M. Sachwitz.
10.1016/0370-2693(90)91291-I
Phys. Lett. B **241**, 267 (1990) [HEP entry](#)
177. **“Measurement of Z^0 Decays to Hadrons and a Precise Determination of the Number of Neutrino Species”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90476-M
Phys. Lett. B **237**, 136 (1990) [HEP entry](#)
178. **“Dizet: A Program Package for the Calculation of Electroweak One Loop Corrections for the Process $e^+e^- \rightarrow f^+f^-$ Around the Z^0 Peak”**
D. Y. Bardin, M. S. Bilenky, T. Riemann, M. Sachwitz and H. Vogt.
10.1016/0010-4655(90)90179-5
Comput. Phys. Commun. **59**, 303 (1990) [HEP entry](#)
179. **“Measurement of $g(a)$ and $g(v)$, the Neutral Current Coupling Constants to Leptons”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(90)90603-4
Phys. Lett. B **236**, 109 (1990) [HEP entry](#)
180. **“Forward - Backward Asymmetries”**
M. Böhm *et al.*
In Z physics at LEP 1, Geneva 1989, Proceedings, vol. 1, 203-234 and CERN-TH.5536 [HEP entry](#)
181. **“Mass Limits for Scalar Muons, Scalar Electrons and Winos from e^+e^- Collisions near $\sqrt{s} = 91$ GeV”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(89)91353-1
Phys. Lett. B **233**, 530 (1989) [HEP entry](#)
182. **“A Determination of the Properties of the Neutral Intermediate Vector Boson Z^0 ”**
B. Adeva *et al.* [L3 Collaboration].
10.1016/0370-2693(89)90703-X
Phys. Lett. B **231**, 509 (1989) [HEP entry](#)

183. **“Z Line Shape”**
 D. Y. Bardin *et al.*
 In Z physics at LEP 1, Geneva 1989, Proceedings, vol. 1, 89-127. [HEP entry](#)
184. **“On Some New Analytic Calculations for the Process $e^+e^- \rightarrow \bar{f}f(n\gamma)$ ”**
 D. Y. Bardin, L. Vertogradov, Y. Sedykh and T. Riemann.
[HEP entry](#)
185. **“Electroweak Radiative Corrections to Deep Inelastic Scattering at HERA: Charged Current Scattering”**
 D. Y. Bardin, K. C. Burdik, P. K. Khristova and T. Riemann.
 10.1007/BF01548593
 Z. Phys. C **44**, 149 (1989) [HEP entry](#)
186. **“The Convolution Integral for the Forward - Backward Asymmetry in e^+e^- Annihilation”**
 D. Y. Bardin, M. S. Bilenky, A. Chizhov, A. Sazonov, Y. Sedykh, T. Riemann and M. Sachwitz.
 10.1016/0370-2693(89)90428-0
 Phys. Lett. B **229**, 405 (1989) [HEP entry](#)
187. **“On the Derivation of Standard Model Parameters from the Z Peak”**
 T. Riemann, M. Sachwitz, D. Y. Bardin and M. S. Bilenky.
[HEP entry](#)
188. **“A Realistic Approach to the Standard Z Peak”**
 D. Y. Bardin, M. S. Bilenky, G. Mitselmakher, T. Riemann and M. Sachwitz.
 10.1007/BF01415565
 Z. Phys. C **44**, 493 (1989) [HEP entry](#)
189. **“Precise Measurement of $M(Z)$ and $\Gamma(Z)$ from the Z Peak: A contribution to the Running Strategy of Lep 1”**
 R. Leiste, T. Riemann, M. Sachwitz, H. Vogt, D. Y. Bardin, M. S. Bilenky and G. Mitselmakher.
[HEP entry](#)
190. **“Electroweak radiative corrections in e^+e^- annihilation at LEP. (Abstract only)”**
 T. Riemann.
 In Theory of elementary particles, Ahrenshoop 1988, Proceedings, 224. [HEP entry](#)
191. **“Electroweak Radiative Corrections to Deep Inelastic Scattering at HERA. Neutral Current Scattering”**
 D. Y. Bardin, C. Burdik, P. C. Khristova and T. Riemann.
 10.1007/BF01557676
 Z. Phys. C **42**, 679 (1989) [HEP entry](#)
192. **“On QED Radiative Corrections at HERA”**
 D. Y. Bardin, C. Burdik, P. K. Khristova and T. Riemann.
 Czech.Hadron Symp.1988:0347 [HEP entry](#)
193. **“Z Boson Line Shape and $\sin^2 \theta_w$ ”**
 T. Riemann and M. Sachwitz.
 10.1016/0370-2693(88)91802-3
 Phys. Lett. B **212**, 488 (1988) [HEP entry](#)
194. **“The Z Boson Line Shape at LEP”**
 T. Riemann, M. Sachwitz and D. Y. Bardin.
[HEP entry](#)
195. **“The Electromagnetic α^3 Contributions to e^+e^- Annihilation into Fermions in the Electroweak Theory. Total Cross-section σ_T and Integrated Asymmetry A_{fb} ”**
 D. Y. Bardin, M. S. Bilenky, O. M. Fedorenko and T. Riemann.
[HEP entry](#)

196. **“Energy Dependent Width Effects in e^+e^- Annihilation Near the Z Boson Pole”**
 D. Y. Bardin, A. Leike, T. Riemann and M. Sachwitz.
 10.1016/0370-2693(88)91625-5
 Phys. Lett. B **206**, 539 (1988) [HEP entry](#)
197. **“The measurement of electroweak parameters”**
 J. Blümlein *et al.*
 In HERA Workshop, Hamburg 1987, Proceedings, vol. 2, 679-685. [HEP entry](#)
198. **“Deep inelastic physics and simulation”**
 G. Ingelman *et al.*
 In Proceedings, HERA Workshop, Hamburg 1987, vol. 1, 3-17. [HEP entry](#)
199. **“Electroweak Radiative Corrections at HERA Energies”**
 D. Y. Bardin, C. Burdik, P. K. Khristova and T. Riemann.
 IN Theory of elementary particles, Sellin 1987, Proceedings, 324-330. [HEP entry](#)
200. **“Structure Functions, Quark Distributions and Λ_{QCD} at HERA”**
 J. Blümlein, M. Klein, T. Naumann and T. Riemann.
[HEP entry](#)
201. **“Polarization in τ -Lepton Production at LEP and $\sin^2 \theta_W$ ”**
 T. Riemann and M. Sachwitz.
[HEP entry](#)
202. **“Study of Electroweak Radiative Corrections to Deep Inelastic Scattering at HERA”**
 D. Y. Bardin, C. Burdik, P. K. Khristova and T. Riemann.
[HEP entry](#)
203. **“The Electromagnetic α^3 Contributions to e^+e^- Annihilation into Fermions in the Electroweak Theory. Total Cross-section σ_t and Integrated Asymmetry A_{fb} ”**
 D. Y. Bardin, O. M. Fedorenko and T. Riemann.
[HEP entry](#)
204. **“Some Integrals for Analytic Bremsstrahlung Calculation. Photon and Z^0 Boson Exchange in the Ultrarelativistic Limit”**
 D. Y. Bardin, O. M. Fedorenko and T. Riemann.
[HEP entry](#)
205. **“Deep Inelastic Polarized Lepton Nucleon Scattering at $Q^2 = M(Z)^2$ ”**
 M. Klein and T. Riemann.
 In Hadron Structure '83, Smolenice 1983, Proceedings, Vol. 2, 411-416 [HEP entry](#)
206. **“An Analytic Result on Bremsstrahlung in e^+e^- Annihilation”**
 O. M. Fedorenko and T. Riemann.
 In Elementary particle physics, Kazimierz 1986, Proceedings, 237-240 [HEP entry](#)
207. **“Electroweak Precision Measurements and Radiative Corrections at LEP/SLC”**
 T. Riemann, D. Y. Bardin and O. M. Fedorenko.
 In Theory of Elementary Particles, Ahrenshoop 1986, Proceedings, 334-340 [HEP entry](#)
208. **“Analytic Bremsstrahlung Integration for the Process $e^+e^- \rightarrow \mu^+\mu^-\gamma$ in QED”**
 O. M. Fedorenko and T. Riemann.
 Acta Phys. Polon. B **18**, 761 (1987) [HEP entry](#)
209. **“Further Study of Radiative Corrections in e^+e^- Annihilation”**
 T. Riemann, D. Y. Bardin and O. M. Fedorenko.
 In Special Topics In Gauge Field Theories, Ahrenshoop 1985, Proceedings, 228-235 [HEP entry](#)

210. **“Electroweak One Loop Corrections to the Decay of the Charged Vector Boson”**
D. Y. Bardin, S. Riemann and T. Riemann.
10.1007/BF01441360
Z. Phys. C **32**, 121 (1986) [HEP entry](#)
211. **“Electromagnetic Corrections to e^+e^- Annihilation”**
T. Riemann, A. A. Akhundov, D. Y. Bardin and O. M. Fedorenko.
In Special Topics In Gauge Field Theories, Ahrenshoop 1984, Proceedings, 78-82 [HEP entry](#)
212. **“Electroweak One Loop Corrections to the Decay of the Neutral Vector Boson”**
A. A. Akhundov, D. Y. Bardin and T. Riemann.
10.1016/0550-3213(86)90014-3
Nucl. Phys. B **276**, 1 (1986) [HEP entry](#)
213. **“Hunting the Hidden Standard Higgs”**
A. A. Akhundov, D. Y. Bardin and T. Riemann.
10.1016/0370-2693(86)91166-4
Phys. Lett. B **166**, 111 (1986) [HEP entry](#)
214. **“Exact Calculations of the Lowest Order Electromagnetic Corrections for the Processes $e^+e^- \rightarrow \mu^+\mu^-(\tau^+\tau^-)$ ”**
A. A. Akhundov, D. Y. Bardin, O. M. Fedorenko and T. Riemann.
Sov. J. Nucl. Phys. **42**, 762 (1985), [Yad. Fiz. **42**, 1204 (1985)] [HEP entry](#)
215. **“Some Integrals for Exact Calculation of QED Bremsstrahlung”**
A. A. Akhundov, D. Y. Bardin, O. M. Fedorenko and T. Riemann.
[HEP entry](#)
216. **“On Mass Shell Renormalization of the Weinberg-Salam Theory: An Introductory Lecture”**
G. Mann and T. Riemann.
[HEP entry](#)
217. **“Electroweak Interactions Probing the Nucleon Structure”**
M. Klein and T. Riemann.
10.1007/BF01571719
Z. Phys. C **24**, 151 (1984) [HEP entry](#)
218. **“Effective Flavor Changing Weak Neutral Current in the Standard Theory and Z Boson Decay”**
G. Mann and T. Riemann.
Annalen Phys. **40**, 334 (1984) [HEP entry](#)
219. **“Nondiagonal Z Decay: $Z \rightarrow e\mu$ ”**
T. Riemann and G. Mann.
In Neutrino '82, Balatonfuered 1982, Proceedings, vol. 2, 58-61 [HEP entry](#)
220. **“On Mass Shell Renormalization Scheme of the Weinberg-Salam Theory. (Talk)”**
G. Mann and T. Riemann.
In Special Topics In Gauge Field Theories, Ahrenshoop 1982, Proceedings, 191-196 [HEP entry](#)
221. **“ Z Decay and the t Quark Mass. (Talk)”**
T. Riemann.
In Special Topics In Gauge Field Theories, Ahrenshoop 1982, Proceedings, 182-190 [HEP entry](#)
222. **“Nondiagonal Z Decay. (Talk)”**
G. Mann and T. Riemann.
In High Energy Physics, Bad Schandau 1982, Proceedings, 5-10 [HEP entry](#)
223. **“Muon Number Nonconserving Decay of a Heavy Neutral Gauge Boson”**
G. Mann and T. Riemann.
[HEP entry](#)

224. **“Particle Mixing and Renormalization in the Weinberg-Salam Theory. (Talk)”**
G. Mann and T. Riemann.
In Special Topics in Gauge Field Theories, Ahrenschoop 1981, Proceedings, 128-132 [HEP entry](#)
225. **“Nonconservation of Lepton Number in Z Decay. (Talk)”**
T. Riemann, G. Mann and D. Ebert.
In Special Topics In Gauge Field Theories, Ahrenschoop 1981, Proceedings, 88-91 [HEP entry](#)
226. **“On K_L^0 Induced Neutrino - Electron Interactions”**
T. Riemann, H. E. Ryseck and M. Walter.
10.1007/BF01545630
Z. Phys. C **8**, 245 (1981) [HEP entry](#)
227. **“Weak Neutral Currents in Elastic Muon - Nucleon Scattering”**
M. Klein and T. Riemann.
10.1007/BF01545629
Z. Phys. C **8**, 239 (1981) [HEP entry](#)
228. **“Weak Neutral Current Couplings of Muons”**
M. Klein, T. Riemann and I. A. Savin.
10.1016/0370-2693(79)91278-4
Phys. Lett. B **85**, 385 (1979) [HEP entry](#)
229. **“Weak Neutral Current Couplings of Leptons and Deep Inelastic Muon Scattering”**
M. Klein and T. Riemann.
[HEP entry](#)
230. **“Deep Inelastic Muon Scattering as a Test of Gauge Theories”**
M. Klein and T. Riemann.
10.1016/0370-2693(78)90106-5
Phys. Lett. B **76**, 79 (1978) [HEP entry](#)
231. **“A Graph Scheme for the Fermion Green’s Function Based on the Functional Integral”**
T. Riemann and H. J. Kaiser.
[HEP entry](#)
232. **“Tau Lepton Polarization Asymmetry and Radiative Corrections at LEP/SLC Energies”**
T. Riemann, M. Sachwitz, H. J. Schreiber and H. Vogt.
[HEP entry](#)
233. **“Electroweak Radiative Corrections at the Z Peak”**
D. Y. Bardin and T. Riemann.
Brighton Workshop 1989:0169-184 [HEP entry](#)
234. **“Simple Approximation for QED $O(\alpha)$ Corrected Forward - Backward Asymmetry”**
T. Riemann and Z. Was.
10.1142/S0217732389002781
Mod. Phys. Lett. A **4**, 2487 (1989) [HEP entry](#)
235. **“Testing the Electroweak Standard Model at HERA”**
J. Blümlein, M. Klein and T. Riemann.
[HEP entry](#)