

List of Publications of Dr. Małgorzata Worek

- Papers in Journals:

1. Authors: G. Bevilacqua, M. Czakon, C.G. Papadopoulos, M. Worek
Title: Dominant QCD Backgrounds in Higgs Boson Analyses at the LHC: A Study of $pp \rightarrow t\bar{t}jj$ at Next-To-Leading Order
e-Print: arXiv:1002.4009 [hep-ph]
2. Authors: S. Actis et al.
Title: Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data
e-Print: arXiv:0912.0749 [hep-ph]
Journal-ref: Accepted for publication in Eur. Phys. J. C
3. Authors: G. Bevilacqua, M. Czakon, C.G. Papadopoulos, R. Pittau, M. Worek
Title: Assault on the NLO Wishlist: $pp \rightarrow t\bar{t}b\bar{b}$
e-Print: arXiv:0907.4723 [hep-ph]
Journal-ref: JHEP 0909, 109 (2009)
4. Authors: M. Czakon, C.G. Papadopoulos, M. Worek
Title: Polarizing the Dipoles
e-Print: arXiv:0905.0883 [hep-ph]
Journal-ref: JHEP 0908, 085 (2009)
5. Authors: K. Arnold et al.
Title: VBFNLO: A parton level Monte Carlo for processes with electroweak bosons
e-Print: arXiv:0811.4559 [hep-ph]
Journal-ref: Comput. Phys. Commun. 180, 1661 (2009)
6. Authors: C. Englert, B. Jager, M. Worek, D. Zeppenfeld
Title: Observing Strongly Interacting Vector Boson Systems at the CERN Large Hadron Collider
e-Print: arXiv:0810.4861 [hep-ph]
Journal-ref: Phys. Rev. D80, 035027 (2009)
7. Authors: A. Cafarella, C. G. Papadopoulos, M. Worek
Title: Helac-Phegas: a generator for all parton level processes
e-Print: arXiv:0710.2427 [hep-ph]
Journal-ref: Comput. Phys. Commun. 180, 1941 (2009)
8. Authors: J. Alwall et al.
Title: Comparative study of various algorithms for the merging of parton showers and matrix elements in hadronic collisions
e-Print: arXiv:0706.2569 [hep-ph]
Journal-ref: Eur. Phys. J. C53, 473 (2008)
9. Authors: J. Alwall et al.
Title: A standard format for Les Houches Event Files
e-Print: hep-ph/0609017
Journal-ref: Comput. Phys. Commun. 176, 300 (2007)
10. Authors: C. G. Papadopoulos, M. Worek
Title: Multi-parton Cross Sections at Hadron Colliders
e-Print: hep-ph/0512150
Journal-ref: Eur. Phys. J. C50, 843 (2007)

11. Authors: P. H. Chankowski, J. Kalinowski, Z. Was, M. Worek
 Title: CP violation in $B_d^0 \rightarrow \tau^+ \tau^-$ decays
 e-Print: hep-ph/0412253
 Journal-ref: Nucl. Phys. B713, 555 (2005)
 12. Authors: P. Golonka, B. Kersevan, T. Pierzchala, E. Richter-Was, Z. Was, M. Worek
 Title: The tauola-photos-F environment for the TAUOLA and PHOTOS packages, release II
 e-Print: hep-ph/0312240
 Journal-ref: Comput. Phys. Commun. 174, 818 (2006)
 13. Authors: K. Desch, A. Imhof, Z. Was, M. Worek
 Title: Probing the CP nature of the Higgs boson at linear colliders with τ spin correlations; the case of mixed scalar–pseudoscalar couplings
 e-Print : hep-ph/0307331
 Journal-ref: Phys. Lett. B579, 157 (2004)
 14. Authors: K. Desch, Z. Was, M. Worek
 Title: Measuring the Higgs boson parity at a Linear Collider using the τ impact parameter and $\tau \rightarrow \rho\nu$ decay
 e-Print : hep-ph/0302046
 Journal-ref: Eur. Phys. J. C29, 491 (2003)
 15. Authors: G.R. Bower, T. Pierzchala, Z. Was, M. Worek
 Title: Measuring the Higgs boson's parity using $\tau \rightarrow \rho\nu$
 e-Print: hep-ph/0204292
 Journal-ref: Phys. Lett. B543, 227 (2002)
 16. Authors: Z. Was, M. Worek
 Title: Transverse spin effects in $H/A \rightarrow \tau^+ \tau^-; \tau^{+-} \rightarrow \nu X^{+-}$, Monte Carlo approach
 e-Print: hep-ph/0202007
 Journal-ref: Acta Phys. Polon. B33, 1875 (2002)
 17. Authors: A.E. Bondar, S.I. Eidelman, A.I. Milstein, T. Pierzchala, N.I. Root, Z. Was, M. Worek
 Title: Novosibirsk hadronic currents for $\tau \rightarrow 4\pi$ channels of τ decay library TAUOLA
 e-Print: hep-ph/0201149
 Journal-ref: Comput. Phys. Commun. 146, 139 (2002)
 18. Authors: T. Pierzchala, E. Richter-Was, Z. Was, M. Worek
 Title: Spin effects in τ -lepton pair production at LHC
 e-Print: hep-ph/0101311
 Journal-ref: Acta Phys. Polon. B32, 1277 (2001)
- Conference Proceedings
 1. Authors: J. R. Andersen et al.
 Title: The SM and NLO multileg working group: Summary report
 e-Print: arXiv:1003.1241 [hep-ph]
 2. Authors: D. Zeppenfeld, G. Bozzi, F. Campanario, C. Englert, V. Hankele, S. Platzer, B. Jager, C. Oleari, M. Spannowsky, M. Worek
 Title: NLO QCD corrections to processes with multiple electroweak bosons
 e-Print: arXiv:1002.0292 [hep-ph]
 3. Authors: B. Jager, G. Bozzi, C. Englert, C. Oleari, M. Worek, D. Zeppenfeld
 Title: Weak boson scattering at the Large Hadron Collider
 e-Print: arXiv:1001.2649 [hep-ph]

4. Author: M. Worek
Title: Next-to-leading order QCD corrections to $t\bar{t}b\bar{b}$ production at the LHC
e-Print: arXiv:0910.4080 [hep-ph]
Journal-ref: Acta Phys. Polon. B40, 2937 (2009)
5. Authors: C. Englert, B. Jager, M. Worek, D. Zeppenfeld
Title: Strongly interacting gauge boson systems at the LHC
e-Print: arXiv:0904.2119 [hep-ph]
6. Author: M. Worek
Title: Monte Carlo Generators for the LHC
e-Print: arXiv:0710.2785 [hep-ph]
Journal-ref: Acta Phys. Polon. B38, 3399 (2007)
7. Authors: P. Draggiotis, A. van Hameren, R. Kleiss, A. Lazopoulos, C. G. Papadopoulos, M. Worek
Title: Recursive equations for arbitrary scattering processes
e-Print : hep-ph/0607034
Journal-ref: Nucl. Phys. Proc. Suppl. 160, 255 (2006)
8. Authors: C. G. Papadopoulos, M. Worek
Title: HELAC - A Monte Carlo generator for multi-jet processes
e-Print: hep-ph/0606320
Journal-ref: Tsukuba 2006, Deep inelastic scattering 507
9. Authors: J. Kalinowski, P. H. Chankowski, Z. Was, M. Worek
Title: Looking for CP violation in $B \rightarrow \tau^+\tau^-$ decays
e-Print : hep-ph/0511079
Journal-ref: Acta Phys. Polon. B36, 3463 (2005)
10. Authors: C. G. Papadopoulos, M. Worek
Title: Multi-Particle Processes in the Standard Model without Feynman Diagrams
e-Print: hep-ph/0510416
Journal-ref: Acta Phys. Polon. B36, 3355 (2005)
11. Authors: C. G. Papadopoulos, M. Worek
Title: Multi-Particle Processes in QCD without Feynman Diagrams
e-Print : hep-ph/0508291
Journal-ref: Nucl. Instrum. Meth. A559, 278 (2006)
12. Author: M. Worek
Title: The method to determine the CP nature of Higgs bosons from decays to τ leptons at LC
e-Print: hep-ph/0310205
Journal-ref: Acta Phys. Polon. B34, 5531 (2003)
13. Author: M. Worek
Title: Higgs CP from $H/A \rightarrow \tau^+\tau^-$ decay
e-Print: hep-ph/0305082
Journal-ref: Acta Phys. Polon. B34, 4549 (2003)
14. Authors: M. Biesiada, M. Worek
Title: Proceedings prepared for 25th International School of Theoretical Physics: Particles and Astrophysics: Standard Models and Beyond, Ustron, Poland, 10-16 September 2001.
Journal-ref: Acta Phys. Polon. B32, 3555 (2001)
15. Author: M. Worek
Title: Tau Polarisation and its Correlations as a Signal for Higgs Bosons - Universal Spin Interface for TAUOLA Package

e-Print: [hep-ph/0110228](https://arxiv.org/abs/hep-ph/0110228)

Journal-ref: Acta Phys. Polon. B32, 3803 (2001)