

Zbigniew was

List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Adequacy of Effective Born for electroweak effects and TauSpinner algorithms for high energy physics simulated samples. European Physical Journal Plus, 2022, 137, 1.	1.2	4
2	Deep neural network application: Higgs boson CP state mixing angle in $H \rightarrow l^+l^-$, decay and at the LHC. Physical Review D, 2021, 103, . Systematic studies of exact $\text{H} \rightarrow l^+l^-$ decay and associated observables. Computer Physics Communications, 2021, 259, 104900.	1.6	2
3	$\text{H} \rightarrow l^+l^-$ decay and associated observables. Computer Physics Communications, 2021, 259, 104900.	1.6	5
4	Documentation of TauSpinner approach for electroweak corrections in LHC $Z \rightarrow l^+l^-$ observables. European Physical Journal C, 2019, 79, 1.	1.4	3
5	Documentation of TauSpinner algorithms: program for simulating spin effects in $\tau \rightarrow l^+l^-$ production at LHC. European Physical Journal C, 2019, 79, 1.	1.4	10
6	Machine learning classification: Case of Higgs boson CP state in $H \rightarrow l^+l^-$, decay at the LHC. Physical Review D, 2019, 100, .	1.6	4
7	Production of $a u \bar{u} \rightarrow jj$ final states at the LHC and the TauSpinner algorithm: the spin-2 case. European Physical Journal C, 2018, 78, 1.	1.4	9
8	TAUOLA of τ , lepton decays framework for hadronic currents, matrix elements and anomalous decays. Computer Physics Communications, 2018, 232, 220-236. Deep learning approach to the Higgs boson $\text{H} \rightarrow l^+l^-$.	3.0	13
9	$\text{H} \rightarrow l^+l^-$ measurement in $\text{H} \rightarrow l^+l^-$. Computer Physics Communications, 2018, 232, 220-236. Deep learning approach to the Higgs boson $\text{H} \rightarrow l^+l^-$.	1.6	8
10	Tau lepton production and decays: perspective of multi-dimensional distributions and Monte Carlo methods. Nuclear and Particle Physics Proceedings, 2017, 287-288, 15-18.	0.2	1
11	W production at LHC: lepton angular distributions and reference frames for probing hard QCD. European Physical Journal C, 2017, 77, 1.	1.4	10
12	Precision studies of observables in $p \rightarrow W \rightarrow l \nu$ and $p \rightarrow W \rightarrow l \nu$ and $p \rightarrow \gamma Z \rightarrow l^+l^-$ processes at the LHC. European Physical Journal C, 2017, 77, 1.	1.4	48
13	Automated calculation of matrix elements and physics motivated observables. Journal of Physics: Conference Series, 2017, 920, 012008.	0.3	0
14	Extra Lepton Pair Emission Corrections to Drell-Yan Processes in PHOTOS and SANC. Acta Physica Polonica B, 2017, 48, 1469.	0.3	7
15	Systematic of TauSpinner for $a u \bar{u}$ pairs with two hard jets and its recent development. Acta Physica Polonica B, 2017, 48, 903.	0.3	1
16	Optimizing Higgs Boson CP Measurement in $H \rightarrow a u \bar{u}$ Decay With ML Techniques. Acta Physica Polonica B, 2017, 48, 1049.	0.3	0
17	Production of $\tau \rightarrow l^+l^-$ lepton pairs with high p_T jets at the LHC and the TauSpinner reweighting algorithm. European Physical Journal C, 2016, 76, 1.	1.4	5
18	PHOTOS interface in C++. Computer Physics Communications, 2016, 199, 86-101.	3.0	191

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37	Bremsstrahlung simulation in $K \rightarrow e^{\pm} l^{\mp} l^{\pm} l^{\mp}$ decays. European Physical Journal C, 2012, 72, 1.	1.4	3
38	Universal interface of TAUOLA: Technical and physics documentation. Computer Physics Communications, 2012, 183, 821-843.	3.0	115
39	TauSpinner program for studies on spin effect in tau production at the LHC. European Physical Journal C, 2012, 72, 1.	1.4	35
40	TAUOLA for simulation of tau decay and production: perspectives for precision low energy and LHC applications. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 249-255.	0.5	4
41	MC-TESTER v. 1.23: A universal tool for comparisons of Monte Carlo predictions for particle decays in high energy physics. Computer Physics Communications, 2011, 182, 779-789.	3.0	15
42	Title is missing!. Acta Physica Polonica B, 2011, 42, 1679.	0.3	0
43	Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data. European Physical Journal C, 2010, 66, 585-686.	1.4	270
44	Matching NLO parton shower matrix element with exact phase space: case of $W \rightarrow l^{\pm} l^{\mp}$ and $\tau^{\pm} \rightarrow e^{\pm} \nu_e + \tau^{\mp} \rightarrow e^{\pm} \nu_e + \tau^{\mp}$. European Physical Journal C, 2010, 70, 673-688.	1.4	10
45	News on PHOTOS Monte Carlo: $\tau^{\pm} \rightarrow e^{\pm} \nu_e + \tau^{\mp} \rightarrow e^{\pm} \nu_e + \tau^{\mp}$. Chinese Physics C, 2010, 34, 889-895.	3.0	145
46	TAUOLA, TAUOLA universal interface PHOTOS and MC-TESTER: Status Report. Nuclear Physics, Section B, Proceedings Supplements, 2009, 189, 43-48.	0.5	2
47	Constrained MC for QCD evolution with rapidity ordering and minimum kT. Computer Physics Communications, 2009, 180, 675-698.	3.0	2
48	Gauge-invariant sub-structures of tree-level double-emission exact QCD spin amplitudes. European Physical Journal C, 2009, 61, 33-49.	1.4	7
49	PHOTOS Monte Carlo and its theoretical accuracy. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 269-274.	0.5	4
50	Tau and muon pair production cross sections in electron-positron annihilations at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2008, 77, 054016.	1.6	59
51	Next-to-leading logarithms and the PHOTOS Monte Carlo. European Physical Journal C, 2007, 50, 53-62.	1.4	38
52	Scalar QED, NLO and PHOTOS Monte Carlo. European Physical Journal C, 2007, 51, 569-583.	1.4	28
53	A standard format for Les Houches Event Files. Computer Physics Communications, 2007, 176, 300-304.	3.0	295
54	Precision simulations with TAUOLA and PHOTOS. Nuclear Physics, Section B, Proceedings Supplements, 2007, 169, 16-21.	0.5	3

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55	PHOTOS Monte Carlo: a precision tool for QED corrections in Z and W decays. European Physical Journal C, 2006, 45, 97-107.	1.4	798
56	TAUOLA as tau Monte Carlo for future applications. Nuclear Physics, Section B, Proceedings Supplements, 2005, 144, 88-94.	0.5	27
57	Gauge invariance, infrared/collinear singularities and tree level matrix element for $e^+ + e^- \rightarrow u_e \bar{u}_e \gamma \gamma$. European Physical Journal C, 2005, 44, 489-503.	1.4	9
58	NEW RESULTS ON PRECISION STUDIES OF HEAVY VECTOR BOSON PHYSICS. International Journal of Modern Physics A, 2005, 20, 3258-3262.	0.5	4
59	CP violation in decays. Nuclear Physics B, 2005, 713, 555-574.	0.9	9
60	MC-TESTER: a universal tool for comparisons of Monte Carlo predictions for particle decays in high energy physics. Computer Physics Communications, 2004, 157, 39-62.	3.0	21
61	Probing the CP nature of the Higgs boson at linear colliders with \vec{l}_1 , spin correlations; the case of mixed scalar-pseudoscalar couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 157-164.	1.5	47
62	Why do we need higher-order fully exclusive Monte Carlo generator for Higgs boson production from heavy quark fusion at LHC?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 589, 125-134.	1.5	5
63	Electric charge screening effect in single-W production with the KoralW Monte Carlo. European Physical Journal C, 2003, 27, 19-32.	1.4	5
64	Measuring the Higgs boson parity at a Linear Collider using Δu impact parameter and Δu decay. European Physical Journal C, 2003, 29, 491-496.	1.4	38
65	Precision calculation for $e^+e^- \rightarrow W^{\pm} 2f$: the KK MC project. Nuclear Physics, Section B, Proceedings Supplements, 2003, 116, 73-77.	0.5	63
66	Precision W-pair physics with the YFSWW3 and KoralW Monte Carlos. Nuclear Physics, Section B, Proceedings Supplements, 2003, 116, 358-362.	0.5	0
67	Precision predictions for (un)stable $W+W^{\pm}$ pair production at and beyond CERN LEP2 energies. Physical Review D, 2002, 65, .	1.6	30
68	Predictions for Δu production at LEP. European Physical Journal C, 2002, 24, 373-383.	1.4	17
69	Global positioning of spin GPS scheme for half-spin massive spinors. European Physical Journal C, 2001, 22, 423-430.	1.4	23
70	On theoretical uncertainties of the W boson mass measurement at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 117-126.	1.5	16
71	TAUOLA the library for \vec{l}_1 , lepton decay, and KKMC/KORALB/KORALZ status report. Nuclear Physics, Section B, Proceedings Supplements, 2001, 98, 96-102.	0.5	68
72	The Monte Carlo program KoralW version 1.51 and the concurrent Monte Carlo KoralW & YFSWW3 with all background graphs and first-order corrections to W-pair production. Computer Physics Communications, 2001, 140, 475-512.	3.0	77

#	ARTICLE	IF	CITATIONS
73	Coherent exclusive exponentiation for precision Monte Carlo calculations. Physical Review D, 2001, 63, .	1.6	551
74	The precision Monte Carlo event generator for two-fermion final states in collisions. Computer Physics Communications, 2000, 130, 260-325.	3.0	769
75	Library of SM and anomalous couplings for the Monte Carlo programs. Computer Physics Communications, 2000, 124, 238-242.	3.0	5
76	Library of anomalous couplings for Monte Carlo programs. Computer Physics Communications, 2000, 124, 243-246.	3.0	1
77	The Monte Carlo program KORALZ, for the lepton or quark pair production at LEP/SLC energies From version 4.0 to version 4.04. Computer Physics Communications, 2000, 124, 233-237.	3.0	31
78	How to generate four-fermion phase space. Computer Physics Communications, 2000, 125, 8-20.	3.0	7
79	Final-state radiative effects for the exact $O(\pm)$ Yennie-Frautschi-Suura exponentiated (un)stable $W+W^\gamma$ production at and beyond CERN LEP2 energies. Physical Review D, 2000, 61, .	1.6	45
80	Coherent exclusive exponentiation CEEX: the case of the resonant $e+e\gamma$ collision. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 97-108.	1.5	64
81	Initial- γ final-state interference in the Z line-shape. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 254-259.	1.5	11
82	Monte Carlo program KoralW 1.42 for all four-fermion final states in $e+e\gamma$ collisions. Computer Physics Communications, 1999, 119, 272-311.	3.0	80
83	Higher-order QED corrections to $e^+ + e^- \rightarrow \gamma$ at LEP2. European Physical Journal C, 1999, 6, 485-491.	1.4	5
84	Four-quark final state in W -pair production: Case of signal and background. European Physical Journal C, 1998, 4, 75-84.	1.4	6
85	Exact gauge invariant YFS exponentiated Monte Carlo for (un)stable $W+W^\gamma$ production at and beyond LEP2 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 326-336.	1.5	64
86	Trefoil knot and ad-hoc classification of elementary fields in the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 369-372.	1.5	2
87	$e+e\gamma$ annihilation into hadrons at LEP2 in the presence of the anomalous DESY positron-jet event phenomenon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 281-287.	1.5	2
88	Initial state QED corrections to W-pair production at LEP2/NLC γ Monte Carlo versus semi-analytical approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 289-298.	1.5	121
89	The present theoretical error on the Bhabha scattering cross section in the luminometry region at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 383, 238-242.	1.5	30
90	KORALB γ an upgrade to version 2.4. Computer Physics Communications, 1995, 85, 453-462.	3.0	85

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91	On the feasibility of measuring transverse spin effects in $\bar{l}_\mu + \bar{l}_\mu \rightarrow \gamma$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 562-568.	1.5	4
92	Higher-order radiative corrections to low-angle Bhabha scattering: the YFS Monte Carlo approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 362-372.	1.5	35
93	PHOTOS - a universal Monte Carlo for QED radiative corrections: version 2.0. Computer Physics Communications, 1994, 79, 291-308.	3.0	593
94	The Monte Carlo program KORALZ version 4.0 for lepton or quark pair production at LEP/SLC energies. Computer Physics Communications, 1994, 79, 503-522.	3.0	340
95	How to measure the structure of the weak charged current in semileptonic b decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 168-176.	1.5	3
96	The \bar{l}_μ , decay library TAUOLA, version 2.4. Computer Physics Communications, 1993, 76, 361-380.	3.0	562
97	Tau decays into three pseudoscalar mesons. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 445-451.	1.5	47
98	QED corrections to small angle Bhabha and quark-electron scattering. Nuclear Physics, Section B, Proceedings Supplements, 1992, 29, 258-262.	0.5	0
99	Monte Carlo program BHLUMI 2.01 for Bhabha scattering at low angles with Yennie-Frautschi-Suura exponentiation. Computer Physics Communications, 1992, 70, 305-344.	3.0	148
100	QED multiphoton corrections to Bhabha scattering at low angles. Monte Carlo solution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 253-262.	1.5	45
101	Complete standard model predictions for the muon forward-backward asymmetry at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 213-218.	1.5	9
102	Higher order QED corrections to Bhabha scattering at low angles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 260, 438-446.	1.5	46
103	Analytical $O(\bar{l}^\pm)$ distributions for Bhabha scattering at low angles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 469-477.	1.5	42
104	Photos " a universal Monte Carlo for QED radiative corrections in decays. Computer Physics Communications, 1991, 66, 115-128.	3.0	290
105	KORALB version 2.1. An upgrade with the TAUOLA library of \bar{l}_μ , decays. Computer Physics Communications, 1991, 64, 267-274.	3.0	78
106	TAUOLA - a library of Monte Carlo programs to simulate decays of polarized \bar{l}_μ , leptons. Computer Physics Communications, 1991, 64, 275-299.	3.0	320
107	The Monte Carlo program KORALZ, version 3.8, for the lepton or quark pair production at LEP/SLC energies. Computer Physics Communications, 1991, 66, 276-292.	3.0	174
108	High-precision improved-analytic-exponentiation results for multiple-photon effects in low-angle Bhabha scattering at the SLAC Linear Collider and the CERN+e $\bar{\nu}$ collider LEP. Physical Review D, 1991, 44, 2669-2677.	1.6	9

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109	The cross section and invisible width measurement at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 246, 541-545.	1.5	9
110	First- and higher-order noninterference QED radiative corrections to the charge asymmetry at the Z resonance. Physical Review D, 1990, 41, 1425-1437.	1.6	29
111	Suppression of QED interference contributions to the charge asymmetry at the Z0 resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 219, 103-106.	1.5	29
112	Uncertainties in \bar{l}_μ polarization measurement at SLC/LEP and QED/electroweak radiative corrections. Zeitschrift für Physik C-Particles and Fields, 1989, 43, 109-116.	1.5	10
113	QCD and QED corrections to the longitudinal polarization asymmetry. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 609-617.	1.5	30
114	Monte Carlo simulation of the process $e+e-\rightarrow \bar{l}_\mu^+ + l_\mu^- + \bar{X} \pm X \pm$ including radiative ($\hat{\ell} \pm 3$) QED corrections, mass and spin effects. Computer Physics Communications, 1985, 36, 191-211.	3.0	154