

# Ulrich Kerzel

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

7,596  
citations

66234

42  
h-index

49773

87  
g-index

96  
all docs

96  
docs citations

96  
times ranked

7677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
2	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
3	The LHCb trigger and its performance in 2011. Journal of Instrumentation, 2013, 8, P04022-P04022.	0.5	334
4	Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3872 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (stretchy="false") \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 222001.$	2.9	192
5	Observation of $B_s^0 \rightarrow B_s^0$ Oscillations. Physical Review Letters, 2006, 97, 242003.	2.9	311
6	Analysis of the Quantum Numbers of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	193
7	Polarizations of $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	192
8	Measurements of inclusive $W$ and $Z$ cross sections in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
9	Evidence for $C$ and $P$ Violation in Time-Integrated $D$ Decays. Physical Review Letters, 2008, 100, 161802.	2.9	181
10	First Flavor-Tagged Determination of Bounds on Mixing-Induced $C$ and $P$ Violation in $D$ Decays. Physical Review Letters, 2008, 100, 161802.	2.9	179
11	Search for $B_s^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$ Decays with $pp$ Collisions. Physical Review Letters, 2008, 100, 101802.	2.9	149
12	Measurement of Prompt Charm Meson Production Cross Sections in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	2.9	149
13	Measurement of the Dipion Mass Spectrum in $X(3872)$ Decays. Physical Review Letters, 2006, 96, 102002.	2.9	121
14	Measurement of the $C$ and $P$ -Violating Phase in the $D$ Decay. Physical Review Letters, 2008, 100, 162002.	2.9	108
15	Observation of the Decay $B \rightarrow \tau^+ \tau^-$ . Physical Review Letters, 2008, 100, 162002.	2.9	106
16	Measurement of the $\tau$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
17	Observation of the Heavy Baryons $\Lambda_c^+$ and $\Sigma_c^+$ . Physical Review Letters, 2008, 100, 162002.	2.9	105
18	First Observation of $C$ and $P$ Violation in the Decays of $D$ Mesons. Physical Review Letters, 2013, 110, 221601.	2.9	105

#	ARTICLE	IF	CITATIONS
19	Evidence for $D^0 \rightarrow \bar{D}^0$ Mixing Using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	2.9	100
20	Observation of Excited $\Lambda_b$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
21	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	2.9	92
22	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
23	Measurement of Inclusive Jet Cross Sections in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	83
24	Measurement of Bottom-Quark Hadron Masses in Exclusive $B \rightarrow \ell \bar{\ell}$ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
25	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	2.9	79
26	Measurements of $B_c$ and Mass with the CMS Experiment at the Large Hadron Collider. Physical Review Letters, 2012, 109, 232001.	2.9	75
27	Search for $Z \rightarrow e^+e^-$ Using Dielectron Mass and Angular Distribution. Physical Review Letters, 2006, 96, 211801.	2.9	69
28	Search for New Physics in High-Mass Electron-Positron Events in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	69
29	Observation of $D^0 \rightarrow \bar{D}^0$ Oscillation. Physical Review Letters, 2013, 110, 101802.	2.9	65
30	First Observation of the Decay $B_c \rightarrow \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 251802.	2.9	62
31	Determination of the Sign of the Decay Width Difference in the $B_c$ System. Physical Review Letters, 2012, 108, 241801.	2.9	61
32	Measurement of $\theta_{13}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV Using Dilepton Events. Physical Review Letters, 2004, 93, 142001.	2.9	59
33	Search for Exclusive $\Lambda_b^0$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	2.9	59
34	Measurement of the Lifetime Difference between $B_s$ Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	2.9	53
35	Search for one large extra dimension with the DELPHI detector at LEP. European Physical Journal C, 2009, 60, 17-23.	1.4	53
36	First Observation of the Decay $B_c \rightarrow s \ell^+ \ell^-$ . Physical Review Letters, 2013, 110, 151803.	2.9	51

#	ARTICLE	IF	CITATIONS
37	Measurement of $\sigma_{\text{had}}(s)/\sigma_{\text{had}}(s)$ in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 231801.		23
38	First Evidence of Direct $C\bar{P}$ Violation in Charmless Two-Body Decays of $B\bar{B}^0$ Mesons. Physical Review Letters, 2012, 108, 201601.	2.9	49
39	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. Astroparticle Physics, 2007, 28, 273-286.	1.9	47
40	First Measurement of the $W$ -Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	2.9	46
41	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving $\tilde{l}, \tilde{\nu}_\tau$ . Physical Review Letters, 2008, 101, 121801.	2.9	45
42	Measurement of $B(\tau^+\nu_\tau)/B(\tau^+Wq)$ at the Collider Detector at Fermilab. Physical Review Letters, 2005, 95, 102002.	2.9	42
43	Search for New High-Mass Particles Decaying to Lepton Pairs in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 252001.	2.9	42
44	Large-area, high-resolution characterisation and classification of damage mechanisms in dual-phase steel using deep learning. PLoS ONE, 2019, 14, e0216493.	1.1	42
45	Inclusive Search for New Physics with Like-Sign Dilepton Events in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
46	Study of $W$ -boson polarisations and triple gauge boson couplings in the reaction $e^+e^-\rightarrow W^+W^-$ at LEP 2. European Physical Journal C, 2008, 54, 345-364.	1.4	41
47	Search for Resonant $t\bar{t}$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
48	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
49	Search for New Physics Using High-Mass Tau Pairs from $1.96$ TeV pp Collisions. Physical Review Letters, 2005, 95, 131801.	2.9	40
50	Direct Search for Dirac Magnetic Monopoles in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	2.9	39
51	Measurement of Lifetime and Decay-Width Difference in $B_s^0$ Decays. Physical Review Letters, 2008, 100, 121803.	2.9	39
52	Search for Lepton Number Violating Decays $B\rightarrow\tau^+\tau^-$ and $B\rightarrow K^+\tau^+\tau^-$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
53	Measurement of Partial Widths and Search for Direct CP Violation in $D^0$ Meson Decays to $K^+K^-$ and $\bar{K}^0\bar{K}^0$ . Physical Review Letters, 2005, 94, 122001.	2.9	38
54	Observation of $WZ$ Production. Physical Review Letters, 2007, 98, 161801.	2.9	36

#	ARTICLE	IF	CITATIONS
55	Study of the dependence of direct soft photon production on the jet characteristics in hadronic Z 0 decays. European Physical Journal C, 2010, 67, 343-366.	1.4	33
56	Search for High-Mass Resonances Decaying to $W^{\pm}Z$ in $pp^{\bar{p}}$ -Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	2.9	31
57	Search for Heavy Toplike Quarks Using Lepton Plus Jets Events in $1.96$ TeV $pp^{\bar{p}}$ -Collisions. Physical Review Letters, 2008, 100, 161803.	2.9	31
58	Search for Excited and Exotic Electrons in the $e^{\pm}\gamma$ Decay Channel in $pp^{\bar{p}}$ -Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 101802.	2.9	30
59	Strong Evidence for ZZ Production in $pp^{\bar{p}}$ -Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 201801.	2.9	30
60	Measurement of the Top-Quark Mass in All-Hadronic Decays in $pp^{\bar{p}}$ -Collisions at CDF II. Physical Review Letters, 2007, 98, 142001.	2.9	29
61	Determination of $m_{\text{top}}$ in $pp^{\bar{p}}$ -Collisions and Measurement of the $t\bar{t}$ Production Cross Section at CDF II. Physical Review Letters, 2007, 98, 142002.	2.9	28
62	Observation of $B \rightarrow D^* K^*$ and Evidence for $B \rightarrow D^* K^*$ in $pp^{\bar{p}}$ -Collisions at CDF II. Physical Review Letters, 2012, 109, 131801.	2.9	27
63	Precise Measurement of the Top-Quark Mass in the Lepton+Jets Topology at CDF II. Physical Review Letters, 2007, 99, 182002.	2.9	26
64	Top-Quark Mass Measurement from Dilepton Events at CDF II. Physical Review Letters, 2006, 96, 152002.	2.9	25
65	Measurement of $ V_{cb} $ using the semileptonic decay $\overline{B} \rightarrow D^* e^+ \bar{\nu}_e$ . European Physical Journal C, 2004, 33, 213-232.	1.4	24
66	Measurement of the $B^0$ Lifetime in $pp^{\bar{p}}$ -Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	2.9	24
67	Study of triple-gauge-boson couplings $ZZZ$ , $ZZ\gamma$ and $Z\gamma\gamma$ at LEP. European Physical Journal C, 2007, 51, 525-542.	1.4	24
68	Measurement of $B^0 \rightarrow D^* K^*$ in $pp^{\bar{p}}$ -Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122002.	2.9	23
69	Search for Heavy Long-Lived Particles that Decay to Photons at CDF II. Physical Review Letters, 2007, 99, 121801.	2.9	22
70	Observation of $B^0 \rightarrow D^* K^*$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
71	Search for Rare $B \rightarrow D^* K^*$ in $pp^{\bar{p}}$ -Collisions at CDF II. Physical Review Letters, 2012, 109, 131801.	2.9	21
72	Measurements of CP-conserving trilinear gauge boson couplings $WWV$ ( $V=\gamma, Z$ ) in $e^+e^-$ collisions at LEP2. European Physical Journal C, 2010, 66, 35-56.	1.4	20

#	ARTICLE	IF	CITATIONS
73	Search for Excited and Exotic Muons in the $\tilde{l}_1^0 \tilde{l}_2^0$ Decay Channel in $pp \rightarrow \tilde{l}_1^0 \tilde{l}_2^0$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 191802.	2.9	19
74	Search for High-Mass Diphoton States and Limits on Randall-Sundrum Gravitons at CDF. Physical Review Letters, 2007, 99, 171801.	2.9	19
75	First Measurement of the $C P$ -Violating Phase in $B_s \rightarrow B_s^0 \mu^+ \mu^-$ Decays. Physical Review Letters, 2013, 110, 241802.	2.9	19
76	Enterprise AI Canvas Integrating Artificial Intelligence into Business. Applied Artificial Intelligence, 2021, 35, 1-12.	2.0	18
77	Study of b-quark mass effects in multijet topologies with the DELPHI detector at LEP. European Physical Journal C, 2008, 55, 525-538.	1.4	17
78	Search for the Higgs Boson in Events with Missing Transverse Energy and Quark Jets Produced in $pp \rightarrow p p \rightarrow \tilde{A}^-$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 111801.	2.9	17
79	Observation of the muon inner bremsstrahlung at LEP1. European Physical Journal C, 2008, 57, 499-514.	1.4	16
80	Measurement of the $B_s \rightarrow \tilde{A}^-$ Lifetime in the $B_s \rightarrow \tilde{A}^- J \bar{J} f$ Decays. Physical Review Letters, 2008, 101, 111801.		

#	ARTICLE	IF	CITATIONS
91	$Z^0$ production in e+e- interactions at $\sqrt{s} = 183-209, \text{ext}\{\text{GeV}\}$ . European Physical Journal C, 2007, 51, 503-523.	1.4	3
92	First Measurement of the Ratio of Central-Electron to Forward-Electron W Partial Cross Sections in pp Collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2007, 98, 251801.	2.9	2
93	The X(3872) at the Tevatron. Nuclear Physics, Section B, Proceedings Supplements, 2006, 156, 248-251.	0.5	1
94	Di-jet production in $\hat{p}^3 \hat{p}^3$ collisions at LEP2. European Physical Journal C, 2008, 58, 531-541.	1.4	1
95	Correlations between polarisation states of W particles in the reaction $e^+ e^- \rightarrow e^+ W^- W^+ + \text{at LEP2}$ energies 189-209 GeV. European Physical Journal C, 2009, 63, 611-623.	1.4	1
96	Branching Ratios, Rare Decays And New States. AIP Conference Proceedings, 2005, , .	0.3	0