

# Paul Kyberd

## List of Publications by Year in descending order

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218  
papers

10,543  
citations

34493

54  
h-index

48101

92  
g-index

220  
all docs

220  
docs citations

220  
times ranked

7896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
2	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
3	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2022, 82, 153.	1.4	14
4	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2022, 82, 290.	1.4	18
6	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
7	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
8	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
9	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
11	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
12	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
13	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
14	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
15	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	4
16	Observation of $B^0 \rightarrow \text{supersymmetry}(2S)K^0_{\text{charm}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{charm}} \rightarrow \text{supersymmetry}(2S)K^0_{\text{charm}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
17	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 13.	1.4	33
18	Search for top squark pair production using dilepton final states in $\text{pp} \rightarrow \text{pp}$ collision data collected at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2021, 81, 3.	1.4	33

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19	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 200.	1.4	24
20	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
21	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 378.	1.4	40
22	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 488.	1.4	35
23	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
24	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 629.	1.4	18
25	Search for a heavy vector resonance decaying to a $\text{ZZ}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 688.	1.4	9
26	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 723.	1.4	19
27	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in $\text{pp}$ collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
28	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
29	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 970.	1.4	18
30	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	1.3	21
31	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
32	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
33	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
34	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
35	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\text{PbPb}$ collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2020, 80, 534.	1.4	14
36	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2020, 80, 75.	1.4	78

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37	Searches for physics beyond the standard model with the $M_{\mathbb{T}2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ , $\text{ext}\{V\}$ TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
38	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
39	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
40	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$ , $\text{ext}\{V\}$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
41	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
42	Search for the pair production of light top squarks in the $e^{\pm}1/4\hat{a}^{\pm}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
43	Measurements of the $pp \hat{a}^{\pm} WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
44	Measurement of the $\overline{\text{t}}\text{t} \hat{A}^{\pm}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
45	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13$ , $\text{ext}\{V\}$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
46	Search for $\overline{\text{t}}\text{t}\text{H}$ production in the $\text{H} \rightarrow \text{b}\overline{\text{b}}$ decay channel with leptonic $\overline{\text{t}}\text{t}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
47	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
48	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
49	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
50	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ , $\text{ext}\{V\}$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27
51	Measurements of the $pp \rightarrow Z\text{H}$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	1.4	52
52	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
53	Search for $\overline{\text{t}}\text{t}\text{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
54	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11

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55	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
56	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
57	Search for $Z\tilde{\chi}^0_3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
58	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
59	Measurement of differential cross sections for $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
60	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell, 2q$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
61	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 697.	1.4	17
62	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
63	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
64	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}^0_3$ or $\tilde{\chi}^{\pm}_1, \tilde{\chi}^0_1$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
65	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
66	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tilde{t}$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
67	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
68	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
69	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
70	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
71	Measurements of the $(pp \rightarrow ZZ)$ production cross section and the $(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s}=13, \text{ext } \sqrt{s}=13)$ . , 2018, 78, 1.		3
72	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $s=8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54

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73	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
74	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
75	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
76	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
77	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
78	Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
79	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
80	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
81	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
82	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
83	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
84	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
85	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
86	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
87	Measurement of the $t\bar{t}$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
88	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
89	Search for massive WH resonances decaying into the $u\bar{b}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
90	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \nu$ leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19



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91	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8, \text{ext } \{\text{TeV}\}$ $s = 8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
92	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
93	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 $\sqrt{\text{TeV}}$ TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
94	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8$ TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
95	Measurements of the $\mathcal{Z} \mathcal{Z}$ production cross sections in the $2u \ 2l \ 2\ell^{1/2}$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $8$ TeV. European Physical Journal C, 2015, 75, 511.	1.4	32
96	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8, \text{ext } \{\text{TeV}\}$ $s = 8$ TeV. European Physical Journal C, 2015, 75, 66.	1.4	31
97	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7, \text{ext } \{\text{TeV}\}$ $s = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
98	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
99	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
100	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
101	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
102	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	1.6	169
103	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
104	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s} = 7, \text{ext } \{\text{TeV}\}$ $s = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
105	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
106	Probing color coherence effects in pp collisions at $\sqrt{s}=7, \text{ext } \{\text{TeV}\}$ $s = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
107	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
108	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320

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109	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68
110	Search for physics beyond the standard model in events with $\tilde{l}$ , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 2493.	1.4	22

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127	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. , 2011, 2011, 1.		5
128	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
129	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
130	Measurement of the mass and width of the W boson in $e^+e^-$ collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 29-46.	1.5	15
131	Genuine correlations of like-sign particles in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 35-52.	1.5	16
132	Search for charged Higgs bosons using the OPAL detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 370, 174-184.	1.5	16
133	Topological search for the production of neutralinos and scalar particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 273-288.	1.5	31
134	A first measurement of the $\hat{b}$ and $\hat{b}^*$ spin compositions in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 377-387.	1.5	25
135	Test of QCD analytic predictions for the multiplicity ratio between gluon and quark jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 659-672.	1.5	33
136	A study of QCD structure constants and a measurement of $\alpha_s(M_{Z^0})$ at LEP using event shape observables. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 519-530.	1.5	4
137	A model independent measurement of quark and gluon jet properties and differences. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 179-201.	1.5	32
138	Measurement of the longitudinal, transverse and asymmetry fragmentation functions at LEP. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 203-213.	1.5	32
139	An improved measurement of the B0 lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 350, 273-282.	1.5	19
140	A measurement of charged particle multiplicity in $Z0 \rightarrow c\bar{c}$ , and $Z0 \rightarrow b\bar{b}$ , events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 176-186.	1.5	27
141	A measurement of the $\hat{b}b0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 402-412.	1.5	24
142	Measurement of the multiplicity of charm quark pairs from gluons in hadronic Z0 Decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 595-605.	1.5	27
143	$\hat{c}^+c^+$ production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 162-172.	1.5	12
144	A measurement of the QCD colour factor ratios $C_A/C_F$ and $T_F/C_F$ from angular correlations in four-jet events. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 367-377.	1.5	28

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145	A measurement of the production of $D^*\Lambda^\pm$ mesons on the Z0 resonance. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 27-44.	1.5	49
146	Measurement of the tau lepton polarization and its forward-backward asymmetry from Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 1-16.	1.5	10
147	Inclusive strange vector and tensor meson production in hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 1-11.	1.5	23
148	The production of neutral kaons in Z0 decays and their Bose-Einstein correlations. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 389-401.	1.5	24
149	The OPAL silicon strip microvertex detector with two coordinate readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 346, 476-495.	0.7	113
150	Multiplicity and transverse momentum correlations in multihadronic final states in $e^+e^-$ interactions at $\sqrt{s} = 91.2$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 417-430.	1.5	31
151	Search for the minimal standard model Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 397-410.	1.5	25
152	Studies of charged particle multiplicity in b quark events. Zeitschrift für Physik C-Particles and Fields, 1994, 61, 209-221.	1.5	26
153	A study of mean sub-jet multiplicities in two- and three-jet hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 363-375.	1.5	12
154	A study of the electric charge distributions of quark and gluon jets in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 523-532.	1.5	5
155	A measurement of $(892)\Lambda^\pm$ production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 407-414.	1.5	25
156	Evidence for chain-like production of strange baryon pairs in jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 415-427.	1.5	42
157	A study of KOSKOS Bose-Einstein correlations in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 456-468.	1.5	18
158	The OPAL silicon microvertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 34-52.	0.7	137
159	A study of differences between quark and gluon jets using vertex tagging of quark jets. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 387-403.	1.5	74
160	A measurement of strange baryon production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 291, 503-518.	1.5	47
161	A measurement of the forward-backward charge asymmetry in hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 294, 436-450.	1.5	22
162	A search for doubly charged Higgs production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 347-356.	1.5	22

#	ARTICLE	IF	CITATIONS
163	A measurement of electron production in hadronic $Z^0$ decays and a determination of $\sigma_{\text{had}}(Z^0) / \sigma_{\text{had}}(e^+e^-)$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 379-392.	1.5	17
164	Measurement of $B^0 \rightarrow \pi^0$ mixing in hadronic $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 379-392.	1.5	22
165	Search for free gluons in hadronic $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 278, 485-494.	1.5	3
166	A test of higher order electroweak theory in $Z^0$ decays to two leptons with an associated pair of charged particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 287, 389-400.	1.5	7
167	A study of two-particle momentum correlations in hadronic $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 287, 401-412.	1.5	21
168	Evidence for b-flavoured baryon production in $Z^0$ decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 394-404.	1.5	43
169	Test of CP-invariance in $e^+e^- \rightarrow Z^0 \rightarrow \tau^+\tau^- + \bar{\nu}_\tau \nu_\tau$ and a limit on the weak dipole moment of the $\tau$ lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 405-415.	1.5	49
170	An improved measurement of $\sigma_{\text{had}}(Z^0)$ using energy correlations with the OPAL detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 547-564.	1.5	28
171	Measurement of the average B hadron lifetime in $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 513-525.	1.5	12
172	Measurement of the $\tau$ lepton topological branching ratios at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 288, 373-385.	1.5	13
173	Evidence for the existence of the strange b-flavoured meson $B_s^0$ in $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 357-370.	1.5	40
174	A model independent observation of the string effect using quark tagging at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 261, 334-346.	1.5	42
175	A measurement of photon radiation in lepton pair events from $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 273, 338-354.	1.5	22
176	Measurement of the tau lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 273, 355-366.	1.5	21
177	A measurement of global event shape distributions in the hadronic decays of the $Z^0$ . Zeitschrift für Physik C-Particles and Fields, 1990, 47, 505-521.	1.5	149
178	Search for excited leptons at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 135-142.	1.5	25
179	A direct search for new charged heavy leptons at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 250-260.	1.5	32
180	A search for acoplanar pairs of leptons or jets in $Z^0$ decays. Mass limits on supersymmetric particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 261-270.	1.5	78

#	ARTICLE	IF	CITATIONS
181	Mass limits for a standard model Higgs Boson in $e^+e^-$ collisions at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 236, 224-232.	1.5	73
182	A search for the top and $b\bar{c}$ quarks in hadronic $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 236, 364-374.	1.5	51
183	A combined analysis of the hadronic and leptonic decays of the $Z^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 497-512.	1.5	70
184	Evidence for final state photons in multihadronic decays of the $Z^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 246, 285-296.	1.5	42
185	A search for technipions and charged Higgs bosons at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 242, 299-308.	1.5	53
186	A study of the reaction $e^+e^- \rightarrow \tau^+\tau^-$ at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 133-140.	1.5	17
187	Measurements of the decay of the $Z^0$ into lepton pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 379-388.	1.5	39
188	A study of jet production rates and a test of QCD on the $Z^0$ resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 389-398.	1.5	92
189	Development studies for the OPAL end cap electromagnetic calorimeter using vacuum photo triode instrumented leadglass. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 290, 76-94.	0.7	31
190	Measurement of the $Z^0$ mass and width with the opal detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 530-538.	1.5	211
191	Measurement and prediction of the drift-distance/drift-time relationship of a small jet chamber operated with carbon dioxide/isobutane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 278, 725-736.	0.7	4
192	Beauty production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 237-246.	1.5	118
193	Search for oscillations at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 247-254.	1.5	186
194	Production of $W$ 's with large transverse momentum at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 193, 389-398.	1.5	47
195	Events with large missing transverse energy at the cern collider: I. $W \rightarrow \tau, \tau \rightarrow \nu_\tau e$ decay and test of $\tau \rightarrow \nu_\tau e$ universality at $Q^2 = m_W^2$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 233-240.	1.5	63
196	Events with large missing transverse energy at the cern collider: II. search for the decays of $W^\pm$ into heavy leptons and of $Z^0$ into non-interacting particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 241-248.	1.5	75
197	Analysis of the fragmentation properties of quark and gluon jets at the CERN SPS $p\bar{p}$ collider. Nuclear Physics B, 1986, 276, 253-271.	0.9	42
198	Measurement of the inclusive jet cross section at the CERN $p$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 172, 461-466.	1.5	94

#	ARTICLE	IF	CITATIONS
199	Angular distributions for high-mass jet pairs and a limit on the energy scale of compositeness for quarks from the CERN $p\bar{p}$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 244-250.	1.5	56
200	Recent results on intermediate vector boson properties at the CERN super proton synchrotron collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 166, 484-490.	1.5	81
201	Measurement of deep inelastic Compton scattering of high energy photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 152, 419-427.	1.5	32
202	Comparison of three-jet and two-jet cross sections in $p\bar{p}$ collisions at the CERN SPS $p\bar{p}$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 158, 494-504.	1.5	64
203	Intermediate-mass dimuon events at the CERN $p$ collider at $\hat{s} = 540$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 155, 442-456.	1.5	24
204	Experimental observation of events with large missing transverse energy accompanied by a jet or a photon ( $S$ ) in $p$ collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 139, 115-125.	1.5	212
205	$D^0$ production in jets at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 222-226.	1.5	29
206	Observation of muonic $Z^0$ -decay at the $p\bar{p}$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 241-248.	1.5	42
207	Angular distributions and structure functions from two-jet events at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 294-300.	1.5	110
208	Associated production of an isolated, large-transverse-momentum lepton (electron or muon), and two jets at the CERN $p$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 493-508.	1.5	197
209	Hadronic jet production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 132, 214-222.	1.5	115
210	Jet fragmentation into charged particles at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 132, 223-229.	1.5	29
211	Measurement of the polarization parameter in 24 GeV/c proton-neutron elastic scattering. Nuclear Physics B, 1982, 201, 365-382.	0.9	2
212	Measurement of the polarization parameter in 24 GeV/c pp elastic scattering at large momentum transfers. Nuclear Physics B, 1981, 185, 1-19.	0.9	25
213	Energy dependence of spin-spin effects in $p\bar{p}$ elastic scattering at $90^\circ$ . , 1981, , .		0
214	Energy dependence of spin-spin effects in $p\bar{p}$ elastic scattering at $90^\circ$ . Physical Review D, 1981, 23, 600-603.	1.6	56
215	Measurement of Polarization Parameter in 24 GeV/c pp Elastic Scattering at Large Momentum Transfers. , 1981, , 551-553.		0
216	Spin Dependence of the Inclusive Reaction $p\bar{p} \rightarrow \bar{p} + X$ at 24 GeV for High $p_T$ Produced at $X_F = 0$ . , 1981, , 582-584.		0

#	ARTICLE	IF	CITATIONS
217	Spin dependence of the inclusive reaction $p + p$ (polarized) $\rightarrow \pi^0 + X$ at 24 GeV/c for high- $p_T$ $\pi^0$ produced in the central region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 94, 523-526.	1.5	70
218	Measurement of the polarization parameter in 24 GeV/c proton-proton elastic scattering at small momentum transfers. <i>Nuclear Physics B</i> , 1977, 121, 231-236.	0.9	22