

J Ellison

List of Publications by Year in descending order

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Version: 2024-02-01

154
papers

10,732
citations

31976
h-index

36028
g-index

154
all docs

154
docs citations

154
times ranked

7660
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of $Z\bar{c}$ produced in $pp\bar{c}$ collisions. Physical Review D, 2019, 100, .	4.7	8
2	Study of the $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">\frac{\partial \sigma}{\partial p_T} = \frac{1}{2} \int_{-1}^1 \int_{-1}^1 \frac{1}{\sqrt{1-x^2-y^2}} \frac{\partial \sigma}{\partial x} \frac{\partial \sigma}{\partial y} dx dy$ 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.	4.7	26
3	Combination of D0 measurements of the top quark mass. Physical Review D, 2017, 95, .	4.7	1
4	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 18-26.	4.1	10
5	Measurement of the top quark mass using the matrix element technique in dilepton final states. Physical Review D, 2016, 94, .	4.7	8
6	Measurement of inclusive jet production and nuclear modifications in $p\bar{p}$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	3.9	29
7	Measurement of the inclusive $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 372.	4.7	11
8	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	3.9	34
9	Precision measurement of the top-quark mass in $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	4.7	16
10	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
11	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
12	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
13	Nuclear effects on the transverse momentum spectra of charged particles in $p\bar{p}$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
14	Measurement of differential $t\bar{t}$ production cross sections in $pp\bar{c}$ collisions. Physical Review D, 2014, 90, .	4.7	29
15	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
16	Measurement of the electric charge of the top quark in $t\bar{t}$ events. Physical Review D, 2014, 90, .	4.7	6
17	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, .	4.7	69

#	ARTICLE	IF	CITATIONS
19	ment of the forward-backward asymmetry in top quark-antiquark production in pp collisions using the $t\bar{t}$ channel. <i>Measurement of the forward-backward asymmetry in the distribution of leptons in $t\bar{t}$ events in the lepton + jets channel in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.</i>	4.7	64
20	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2014, 74, 1.	3.9	75
21	Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
22	Precision Measurement of the Top Quark Mass in $t\bar{t}$ Final States. Physical Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \pi^+$ in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	7.8	43
23	Measurement of the W -boson helicity in top-quark decays from $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
24	Jet and underlying event properties as a function of charged-particle multiplicity in proton+proton collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2674.	4.7	32
25	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	125
26	Combination of CDF and D0 measurements of the $t\bar{t}$ boson helicity in top quark decays. Physical Review D, 2012, 86, .	4.7	34
27	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ production. Physical Review D, 2012, 86, .	4.7	33
28	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	4.7	109
29	Measurement of the top-quark mass in $\mathrm{pp}\bar{t}$ collisions using events with two leptons. Physical Review D, 2012, 86, .	4.7	19
30	Combination of CDF and D0 measurements of the $t\bar{t}$ boson helicity in top quark decays. Physical Review D, 2012, 86, .	4.7	36
31	Measurement of the flavor-tagged decay $t\bar{t}$ production in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	75
32	Inclusive b-jet production in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
33	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45

#	ARTICLE	IF	CITATIONS
37	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
38	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9 \text{ and } 7 \text{ TeV}$ with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
39	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
40	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
41	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
42	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
43	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1. Measurement of the relative branching ratio of $t\bar{t}$ to $t\bar{t} \rightarrow e^+e^- + \text{miss. energy}$. Physical Review D, 2012, 85, 11.	4.7	26
44	$\frac{\text{yield}}{\text{statistical uncertainty}} = \frac{47}{17} = 2.76 \pm 0.98$	4.7	42
45	Model independent search for new phenomena in pp collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review D, 2012, 85, 7.	7	
46	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	33
47	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	42
48			

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55	Precise measurement of the top-quark mass from mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">< mml:mtext mathvariant="normal">lepton</mml:mtext>< mml:mo>+</mml:mo>< mml:mtext mathvariant="normal">jets</mml:mtext></mml:math> events at D0. Physical Review D, 2011, 84, .	4.7	35
56	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, .	4.7	26
57	Measurement of spin correlation in mml:math xmlns:mml= http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll">< mml:mi>t</mml:mi>< mml:mover accent="true">>< mml:mi>t</mml:mi>< mml:mo>~</mml:mo></mml:mover></mml:math> production using Model-independent Measurement of S-channel Single-top Quark production in Journal of High Energy Physics, altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"	4.1	34
58	Model-independent Measurement of S-channel Single-top Quark production in Journal of High Energy Physics, altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja.dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:cb="http://www.elsevier.com/xml/co	4.1	42
59	Prompt and non-prompt J/ ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
60	Measurement of the $\text{mathrm}{\{\{\text{tar}\{t\}}\}}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
61	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
62	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7;\text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
63	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7;\text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
64	Measurement of \overline{B} angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7;\text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
65	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7;\text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
66	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
67	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
68	Measurement of the $\text{m t}\bar{\text{ar}}\{\text{m t}\}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	53
69	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
70	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
71	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
72	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25

#	ARTICLE	IF	CITATIONS
73	The D0 Silicon Microstrip Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 8-46. Measurement of the production fraction times branching fraction $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} > \langle \text{mml:mi} \rangle f \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \text{ stretchy}=\text{"false"} \rangle (\langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle b \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle a^2 \langle / \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \hat{b} \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle b \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle b^2 \langle / \text{mml:mo} \rangle)$	1.6	48
74			

#	ARTICLE	IF	CITATIONS
91	Measurement of Δm^2_{31} and θ_{23} from the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2008, 101, 241801.	7.8	173
92	Parameters from the Flavor-Tagged Decay $t\bar{t} \rightarrow b\bar{b} + l\nu + \text{jets}$. Physical Review Letters, 2008, 100, 142002.	7.8	210
93	Precise Measurement of the Top-Quark Mass from lepton+jets Events. Physical Review Letters, 2008, 101, 182001.	7.8	33
94	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. Physical Review D, 2007, 75, .	4.7	30
95	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $. Physical Review Letters, 2007, 98, 181802.	7.8	100
96	Search for Production of Single Top Quarks Via $t\bar{t} \rightarrow b\bar{b} + l\nu + \text{jets}$. Physical Review Letters, 2007, 98, 181802.	7.8	45
97	Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions using dilepton events. Physical Review D, 2007, 76, .	4.7	26
98	Experimental Discrimination between Charge2e/3Top Quark and Charge4e/3Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	7.8	47
99	Lifetime Difference and CP-Violating Phase in the B_s System. Physical Review Letters, 2007, 98, 121801.	7.8	53
100	Multivariate searches for single top quark production with the D0 detector. Physical Review D, 2007, 75, .	4.7	18
101	Combined D0 measurements constraining the CP-violating phase and width difference in the B_s system. Physical Review D, 2007, 76, .	4.7	28
102	Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2007, 76, .	4.7	50
103	Measurement of the top quark mass in the dilepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 655, 7-14.	4.1	19
104	Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$ using secondary vertex tagging. Physical Review D, 2006, 74, .	4.7	44
105	The upgraded D \bar{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 463-537.	1.6	549
106	Search for $t\bar{t}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 655, 463-537.	4.1	27
107	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	4.7	47
108	Measurement of B_d mixing using opposite-side flavor tagging. Physical Review D, 2006, 74, .	4.7	28

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127	Search for R-parity violation in multilepton final states in pp \bar{p} collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review D, 2000, 62, .	4.7	9
128	Search for new physics in e^+e^- data at D $\bar{\chi}$ using SLEUTH: A quasi-model-independent search strategy for new physics. Physical Review D, 2000, 62, .	4.7	43
129	Spin Correlation in t \bar{t} Production from pp \bar{p} Collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review Letters, 2000, 85, 256-261.	7.8	38
130	Small-Angle Muon and Bottom-Quark Production in pp \bar{p} Collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review Letters, 2000, 84, 5478-5483.	7.8	39
131	Cross Section for b-Jet Production in p \bar{p} Collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review Letters, 2000, 85, 5068-5073.	7.8	68
132	Measurement of the top quark pair production cross section in pp \bar{p} collisions using multijet final states. Physical Review D, 1999, 60, .	4.7	30
133	Measurement of the Top Quark Pair Production Cross Section in the All-Jets Decay Channel. Physical Review Letters, 1999, 83, 1908-1913.	7.8	33
134	Measurement of the top quark mass in the dilepton channel. Physical Review D, 1999, 60, .	4.7	80
135	Measurement of W and Z boson production cross sections in pp \bar{p} collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review D, 1999, 60, .	4.7	19
136	Search for Charged Higgs Bosons in Decays of Top Quark Pairs. Physical Review Letters, 1999, 82, 4975-4980.	7.8	82
137	Determination of the mass of the W boson using the D $\bar{\chi}$... detector at the Fermilab Tevatron. Physical Review D, 1998, 58, .	4.7	23
138	Measurement of the Top Quark Mass Using Dilepton Events. Physical Review Letters, 1998, 80, 2063-2068.	7.8	110
139	Search for Charge $\frac{1}{3}$ Third-Generation Leptoquarks in pp \bar{p} Collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review Letters, 1998, 81, 38-43.	7.8	24
140	Direct measurement of the top quark mass by the D $\bar{\chi}$ Collaboration. Physical Review D, 1998, 58, .	4.7	107
141	Direct Measurement of the Top Quark Mass. Physical Review Letters, 1997, 79, 1197-1202.	7.8	96
142	Measurement of the Top Quark Pair Production Cross Section in pp \bar{p} Collisions. Physical Review Letters, 1997, 79, 1203-1208.	7.8	70
143	Studies of gauge boson pair production and trilinear couplings. Physical Review D, 1997, 56, 6742-6778.	4.7	29
144	production in collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 370, 239-248.	4.1	87

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145	Search for Light Top Squarks in pp̄ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1996, 76, 2222-2227.	7.8	85	
146	Search for Right-Handed WBosons and Heavy W in pp̄ Collisions at $s=1.8\text{TeV}$. Physical Review Letters, 1996, 76, 3271-3276.	7.8	67	
147	Top quark search with the D0 1992–1993 data sample. Physical Review D, 1995, 52, 4877-4919.	4.7	74	
148	Search for WBoson Pair Production in pp̄ Collisions at $s=1.8\text{TeV}$. Physical Review Letters, 1995, 75, 1023-1027.	7.8	42	
149	Search for High Mass Top Quark Production in pp̄ Collisions at $s=1.8\text{TeV}$. Physical Review Letters, 1995, 74, 2422-2426.	7.8	82	
150	Inclusive $\frac{1}{4}$ and b-Quark Production Cross Sections in pp̄ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1995, 74, 3548-3552.	7.8	102	
151	Observation of the Top Quark. Physical Review Letters, 1995, 74, 2632-2637.	7.8	1,100	
152	The D̄ detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 338, 185-253.	1.6	429	
153	Search for the top quark in pp̄ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 72, 2138-2142.	7.8	119	
154	Beam tests of the D̄ uranium liquid argon end calorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 53-76.	1.6	31	