

Gianluca Introzzi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

670

papers

22,446

citations

69

h-index

113

g-index

692

ext. papers

24,440

ext. citations

5.8

avg, IF

2.81

L-index

#	Paper	IF	Citations
670	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1.96$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
669	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 072001	7.4	469
668	J/ψ and $\psi(2S)$ Production in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 572-577	7.4	278
667	Observation of $B_s(0)$ - $B_s(0)$ oscillations. <i>Physical Review Letters</i> , 2006 , 97, 242003	7.4	274
666	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
665	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
664	Observation of the B_c Meson in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 81, 2432-2437	7.4	242
663	Determination of the jet energy scale at the Collider Detector at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 566, 375-412	1.2	233
662	Production of J/ψ Mesons from ψ Meson Decays in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 578-583	7.4	221
661	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. <i>Physical Review D</i> , 2011 , 83,	4.9	219
660	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton + jets events with secondary vertex b -tagging. <i>Physical Review D</i> , 2005 , 71,	4.9	217
659	Evidence for a narrow near-threshold structure in the $J/\psi \rightarrow \psi(2S) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2009 , 102, 242002	7.4	211
658	Double parton scattering in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1997 , 56, 3811-3832	4.9	199
657	Luminosity determination in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
656	Inclusive Jet Cross Section in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 77, 438-443	4.1	185
655	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
654	Forward-backward asymmetry in top-quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 202001	7.4	177

653	Observation of electroweak single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092002	7.4	174
652	Measurements of inclusive W and Z cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2457-2544	2.9	174
651	Observation of B_c mesons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1998 , 58,	4.9	173
650	Measurement of J/ψ and $\psi(2S)$ polarization in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 2886-91	7.4	171
649	Polarizations of J/ψ and $\psi(2S)$ mesons produced in $p\bar{p}$ collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 132001	7.4	165
648	Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays with 2 fb ⁻¹ of $p\bar{p}$ collisions. <i>Physical Review Letters</i> , 2008 , 100, 101802	7.4	164
647	First flavor-tagged determination of bounds on mixing-induced CP violation in $B_s^0 \rightarrow J/\psi \phi$ decays. <i>Physical Review Letters</i> , 2008 , 100, 161802	7.4	161
646	Search for new particles decaying into dijets in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	159
645	Analysis of the quantum numbers J^{PC} of the $X(3872)$ particle. <i>Physical Review Letters</i> , 2007 , 98, 132002	7.4	159
644	Search for an additional, heavy Higgs boson in the $[Formula: see text]$ decay channel at $[Formula: see text]$ in $[Formula: see text]$ collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
643	Performance of pile-up mitigation techniques for jets in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
642	Search for New Gauge Bosons Decaying into Dileptons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 2192-2197	7.4	140
641	Measurement of the B_s^0 - B_s^0 oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 062003	7.4	133
640	Observation of exclusive charmonium production and $\gamma\gamma \rightarrow \mu^+ \mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 242001	7.4	126
639	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	125
638	Search for Flavor-Changing Neutral Current Decays of the Top Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 80, 2525-2530	7.4	124
637	Measurement of the inclusive jet cross section at the Fermilab Tevatron $p\bar{p}$ collider using a cone-based jet algorithm. <i>Physical Review D</i> , 2008 , 78,	4.9	119
636	First measurement of the $t\bar{t}$ differential cross section $d\sigma/dM_{t\bar{t}}$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222003	7.4	113

635	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. <i>Physical Review D</i> , 2006 , 73,	4.9	112
634	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
633	Invariant mass distribution of jet pairs produced in association with a W boson in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 171801	7.4	105
632	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
631	Measurement of the dipion mass spectrum in decays. <i>Physical Review Letters</i> , 2006 , 96, 102002	7.4	104
630	Search for charged Higgs bosons from top quark decays in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 042003	7.4	101
629	Transverse momentum and total cross section of $e^{+}e^{-}$ pairs in the Z-boson region from $p\bar{p}$ collisions at \sqrt{s} . <i>Physical Review Letters</i> , 2000 , 84, 845-50	7.4	101
628	Measurement of $\sin^2\theta_W$ from $B \rightarrow J/\psi S_0$ with the CDF detector. <i>Physical Review D</i> , 2000 , 61,	4.9	100
627	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. <i>Physical Review Letters</i> , 2005 , 94, 091803	7.4	97
626	Production of Upsilon(1S) mesons from $\chi(b)$ decays in $p\bar{p}$ collisions at \sqrt{s} . <i>Physical Review Letters</i> , 2000 , 84, 2094-9	7.4	97
625	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. <i>Physical Review D</i> , 2013 , 87,	4.9	96
624	Observation of the baryonic flavor-changing neutral current decay $B(0) \rightarrow \mu\mu$. <i>Physical Review Letters</i> , 2011 , 107, 201802	7.4	95
623	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 584-589	7.4	95
622	Observation of the Heavy Baryons Sigma b and Sigma b*. <i>Physical Review Letters</i> , 2007 , 99, 202001	7.4	93
621	Evidence for D_0 - $D(0)$ mixing using the CDF II detector. <i>Physical Review Letters</i> , 2008 , 100, 121802	7.4	91
620	Observation of the decay $B_{c+/-} \rightarrow J/\psi p_{i+/-}$ and measurement of the $B_{c+/-}$ mass. <i>Physical Review Letters</i> , 2008 , 100, 182002	7.4	90
619	Measurements of the angular distributions in the decays $B \rightarrow K^{(*)} \rho^{+}$ at CDF. <i>Physical Review Letters</i> , 2012 , 108, 081807	7.4	89
618	Measurement of the inclusive jet cross section using the kT algorithm in pp collisions at $s=1.96$ TeV with the CDF II detector. <i>Physical Review D</i> , 2007 , 75,	4.9	89

617	Search for charged Higgs bosons in decays of top quarks in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101803	7.4	87
616	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. <i>Physical Review Letters</i> , 1997 , 79, 357-362	7.4	87
615	Search for high-mass resonances decaying to dimuons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 091805	7.4	83
614	Observation and mass measurement of the baryon Ξ_b^- . <i>Physical Review Letters</i> , 2007 , 99, 052002	7.4	80
613	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 78, 2698-2703	7.4	78
612	Measurement of bottom-quark hadron masses in exclusive J/ψ decays with the CDF detector. <i>Physical Review Letters</i> , 2006 , 96, 202001	7.4	78
611	Measurement of the difference in CP-violating asymmetries in $D(0) \rightarrow K(+)K(-)$ and $D(0) \rightarrow \pi(+) \pi(-)$ decays at CDF. <i>Physical Review Letters</i> , 2012 , 109, 111801	7.4	77
610	Precise measurement of the W-boson mass with the CDF II detector. <i>Physical Review Letters</i> , 2012 , 108, 151803	7.4	74
609	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	74
608	Observation of orbitally excited B(s) mesons. <i>Physical Review Letters</i> , 2008 , 100, 082001	7.4	73
607	Measurement of the Top Quark Mass. <i>Physical Review Letters</i> , 1998 , 80, 2767-2772	7.4	73
606	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1998 , 80, 2779-2784	7.4	73
605	Search for large extra dimensions in final states containing one photon or jet and large missing transverse energy produced in pp collisions at square root $[s]=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 181602	7.4	72
604	Precision measurement of the $X(3872)$ mass in $J/\psi \pi(+) \pi(-)$ decays. <i>Physical Review Letters</i> , 2009 , 103, 152001	7.4	71
603	Search for new bottomlike quark pair decays $QQ \rightarrow (tW(+)(-))(tW(+)(-))$ in same-charge dilepton events. <i>Physical Review Letters</i> , 2010 , 104, 091801	7.4	70
602	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1996 , 77, 5336-5341	7.4	70
601	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 79, 2636-2641	7.4	69
600	Evidence for the exclusive decay $B(c)^+ \rightarrow J/\psi \pi^+$ and measurement of the mass of the $B(c)^+$ meson. <i>Physical Review Letters</i> , 2006 , 96, 082002	7.4	69

599	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV pp Collisions. <i>Physical Review Letters</i> , 1997 , 79, 2198-2203	7.4	68
598	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton+jets events with jet probability b -tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	68
597	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. <i>Physical Review Letters</i> , 1999 , 82, 271-276	7.4	68
596	Direct measurement of the W production charge asymmetry in pp collisions at square root $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 181801	7.4	67
595	Observation of exclusive electron-positron production in hadron-hadron collisions. <i>Physical Review Letters</i> , 2007 , 98, 112001	7.4	67
594	Measurement of the B_c^+ meson lifetime using the decay mode $B_c^+ \rightarrow J/\psi e^+ \nu_e$. <i>Physical Review Letters</i> , 2006 , 97, 012002	7.4	66
593	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
592	Search for new physics in high-mass electron-positron events in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 171802	7.4	65
591	Measurement of the Lepton Charge Asymmetry in W -Boson Decays Produced in pp Collisions. <i>Physical Review Letters</i> , 1998 , 81, 5754-5759	7.4	65
590	Search for $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B(0) \rightarrow \mu^+ \mu^-$ decays with CDF II. <i>Physical Review Letters</i> , 2011 , 107, 191801	7.4	64
589	Inclusive search for squark and gluino production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 121801	7.4	64
588	Measurement of $b\bar{b}$ production correlations, $B^0\bar{B}^0$ mixing, and a limit on β in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1997 , 55, 2546-2558	4.9	64
587	Search for dark matter in events with one jet and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211804	7.4	63
586	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 232-239	4.2	63
585	Search for $Z' \rightarrow e^+ e^-$ using dielectron mass and angular distribution. <i>Physical Review Letters</i> , 2006 , 96, 211801	7.4	63
584	Observation of exclusive dijet production at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2008 , 77,	4.9	62
583	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. <i>Physical Review D</i> , 2004 , 70,	4.9	62
582	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. <i>Physical Review Letters</i> , 1997 , 79, 1992-1997	7.4	61

581	Search for neutral Higgs bosons of the minimal supersymmetric standard model decaying to tau pairs in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 011802	7.4	61
580	Measurement of the forward-backward charge asymmetry from $W \rightarrow e\bar{\nu}$ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	61
579	Measurement of inclusive jet cross sections in $Z/\gamma^*(\rightarrow e^+e^-) + \text{jets}$ production in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 102001	7.4	60
578	Measurement of the cross section for W-boson production in association with jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	59
577	Measurement of the tt production cross section in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 082004	7.4	59
576	Search for the decays $B_d^0 \rightarrow \mu^+\mu^-$ and $B_s^0 \rightarrow \mu^+\mu^-$ in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1998 , 57, R3811-R3816	4.9	59
575	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1998 , 80, 1156-1161	7.4	59
574	Study of jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	58
573	Measurement of CP-violating asymmetries in $D^0 \rightarrow \mu^+\mu^-$ and $D^0 \rightarrow K^+K^-\mu^+\mu^-$ decays at CDF. <i>Physical Review D</i> , 2012 , 85,	4.9	57
572	Search for $B^0_s \rightarrow \mu^+\mu^-$ and $B^0_d \rightarrow \mu^+\mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 032001	7.4	57
571	Precision measurement and interpretation of inclusive $t\bar{t}$ and $Z/\gamma^* \rightarrow \mu^+\mu^-$ production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
570	Search for long-lived massive charged particles in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 021802	7.4	56
569	Search for exclusive $\gamma\gamma$ production in Hadron-Hadron collisions. <i>Physical Review Letters</i> , 2007 , 99, 242002	7.4	56
568	Measurement of the W^+W^- production cross section and search for anomalous $WW\gamma$ and WWZ couplings in pp collisions at square root(s)= 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 201801	7.4	55
567	Search for high-mass e^+e^- resonances in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 031801	7.4	55
566	Measurement of the ratio $\sigma(t\bar{t})/\sigma(Z/\gamma^* \rightarrow \mu^+\mu^-)$ and precise extraction of the tt cross section. <i>Physical Review Letters</i> , 2010 , 105, 012001	7.4	54
565	Search for exclusive Z-boson production and observation of high-mass $pp \rightarrow \gamma \gamma \rightarrow p\ell^+ \ell^- p$ events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 222002	7.4	54
564	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52

563	Search for supersymmetry in pp collisions at $\sqrt{s}=1.96$ TeV Using the trilepton signature for chargino-neutralino production. <i>Physical Review Letters</i> , 2008 , 101, 251801	7.4	52
562	Search for top-quark production via flavor-changing neutral currents in W+1 jet events at CDF. <i>Physical Review Letters</i> , 2009 , 102, 151801	7.4	51
561	Evidence for the ($H \rightarrow b\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
560	Search for the production of narrow $t\bar{b}$ resonances in 1.9 fb^{-1} of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 041801	7.4	50
559	Search for heavy bottomlike quarks decaying to an electron or muon and jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 141803	7.4	50
558	Search for the flavor-changing neutral-current decay $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 192002	7.4	50
557	Observation of $B(s)0 \rightarrow K^+ K^-$ and measurements of branching fractions of charmless two-body decays of $B0$ and $B(s)0$ mesons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 211802	7.4	50
556	Measurement of the lifetime difference between B_s mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
555	Search for neutral supersymmetric Higgs bosons in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 86, 4472-8	7.4	50
554	Measurement of the top quark mass with the collider detector at Fermilab. <i>Physical Review D</i> , 2001 , 63,	4.9	50
553	Search for Third Generation Leptoquarks in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 78, 2906-2911	7.4	49
552	Dijet production by double pomeron exchange at the fermilab tevatron. <i>Physical Review Letters</i> , 2000 , 85, 4215-20	7.4	49
551	Search for scalar top and scalar bottom quarks in pp collisions at square root $s=1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 5704-9	7.4	49
550	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
549	Measurement of $\sigma(\chi_{c2} B(\chi_{c2} \rightarrow J/\psi \gamma)) / \sigma(\chi_{c1} B(\chi_{c1} \rightarrow J/\psi \gamma))$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 232001	7.4	47
548	Comparison of the isolated direct photon cross sections in pp collisions at $s=1.8$ TeV and $s=0.63$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	47
547	Measurement of branching ratio and B_{s0} lifetime in the decay $B_{s0} \rightarrow J/\psi \phi(980)$ at CDF. <i>Physical Review D</i> , 2011 , 84,	4.9	46
546	Measurement of the bottom-strange meson mixing phase in the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 171802	7.4	46

545	Search for long-lived charged massive particles in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 90, 131801	7.4	46
544	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	45
543	Measurement of the B ⁺ production cross section in pp collisions at $s=1960$ GeV. <i>Physical Review D</i> , 2007 , 75,	4.9	45
542	Global search for new physics with 2.0 fb ⁻¹ at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	44
541	Search for First Generation Leptoquark Pair Production in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 4327-4332	7.4	44
540	First run II measurement of the W boson mass at the Fermilab Tevatron. <i>Physical Review D</i> , 2008 , 77,	4.9	44
539	Measurement of the single-top-quark production cross section at CDF. <i>Physical Review Letters</i> , 2008 , 101, 252001	7.4	44
538	Measurement of B hadron lifetimes using J/ψ final states at CDF. <i>Physical Review D</i> , 1998 , 57, 5382-5401	4.9	44
537	Measurement of particle production and inclusive differential cross sections in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	43
536	ATLAS b-jet identification performance and efficiency measurement with ($t\bar{t}$) events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
535	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
534	Measurements of the properties of $\Lambda(2595)$, $\Lambda(2625)$, $\Lambda(2455)$, and $\Lambda(2520)$ baryons. <i>Physical Review D</i> , 2011 , 84,	4.9	42
533	Measurement of tt spin correlation in pp collisions using the CDF II detector at the Tevatron. <i>Physical Review D</i> , 2011 , 83,	4.9	42
532	Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons. <i>Physical Review Letters</i> , 2008 , 101, 121801	7.4	42
531	Searches for New Physics in Diphoton Events in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 81, 1791-1796	7.4	42
530	Search for the Flavor-Changing Neutral Current Decays $B^+ \rightarrow \mu^+ \mu^0$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 1999 , 83, 3378-3383	7.4	42
529	Observation of the Λ_b baryon and measurement of the properties of the Λ_b and Λ_b baryons. <i>Physical Review D</i> , 2009 , 80,	4.9	41
528	Measurements of direct CP violating asymmetries in charmless decays of strange bottom mesons and bottom baryons. <i>Physical Review Letters</i> , 2011 , 106, 181802	7.4	41

527	Differential cross sections of J/ψ and ψ' in 800 GeV/c p-Si interactions. <i>Physical Review D</i> , 1997 , 55, 3927-3933	4.9	41
526	Search for large extra dimensions in the production of jets and missing transverse energy in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 171802	7.4	41
525	Observation of diffractive b-quark production at the fermilab tevatron. <i>Physical Review Letters</i> , 2000 , 84, 232-7	7.4	41
524	Measurement of the $t\bar{t}$ Production Cross Section in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 80, 2773-2778	7.4	41
523	Study of orbitally excited B mesons and evidence for a new B_c resonance. <i>Physical Review D</i> , 2014 , 90,	4.9	40
522	Observation of new charmless decays of bottom hadrons. <i>Physical Review Letters</i> , 2009 , 103, 031801	7.4	40
521	Soft and hard interactions in pp collisions at $s=1800$ and 630 GeV. <i>Physical Review D</i> , 2002 , 65,	4.9	40
520	Searches for new physics in diphoton events in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1999 , 59,	4.9	40
519	Inclusive search for new physics with like-sign dilepton events in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 221803	7.4	39
518	Search for new high-mass particles decaying to Lepton pairs in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 252001	7.4	39
517	Measurement of the top-quark mass with dilepton events selected using neuroevolution at CDF. <i>Physical Review Letters</i> , 2009 , 102, 152001	7.4	38
516	First measurement of the angular coefficients of Drell-Yan $e^{+}e^{-}$ pairs in the Z mass region from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 241801	7.4	38
515	Observation of $B^0 \rightarrow J/\psi K^0$ at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , 1997 , 55, 1142-1152	4.9	38
514	Search for new physics using high-mass tau pairs from 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2005 , 95, 131801	7.4	38
513	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $(\sqrt{s} = 13)$ (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
512	Production of (ψ) mesons in pp collisions at 1.96 TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	37
511	Measurement of the forward-backward asymmetry in the $B \rightarrow K^*(\psi)$ decay and first observation of the $B(s)0 \rightarrow \psi(\psi)$ decay. <i>Physical Review Letters</i> , 2011 , 106, 161801	7.4	37
510	Measurements of the angular distributions of muons from ψ decays in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 151802	7.4	37

509	Search for resonant $t\bar{t}$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 231801	7-4	37
508	Measurement of the top quark mass using template methods on dilepton events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4-9	37
507	Direct search for Dirac magnetic monopoles in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 201801	7-4	37
506	First measurement of the W-boson mass in run II of the Tevatron. <i>Physical Review Letters</i> , 2007 , 99, 151801	7-4	37
505	Search for quark-lepton compositeness and a heavy W' Boson using the $e\nu$ channel in $p p$ collisions at square root of $[s] = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 231803	7-4	37
504	Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in pp collisions at square root $[s]=1.8$ TeV. <i>Physical Review Letters</i> , 2002 , 89, 281801	7-4	37
503	Measurement of the $B^0\bar{B}^0$ Oscillation Frequency Using B Meson Charge-Flavor Correlations in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 80, 2057-2062	7-4	37
502	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	36
501	Precision top-quark mass measurement at CDF. <i>Physical Review Letters</i> , 2012 , 109, 152003	7-4	36
500	Evidence for $W+W$ Production in $p\bar{p}$ Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 78, 4536-4540	7-4	36
499	Measurement of Lifetime and Decay-Width Difference in $B_{s;0} \rightarrow J/\psi\varphi$ Decays. <i>Physical Review Letters</i> , 2008 , 100, 121803	7-4	36
498	Momentum distribution of charged particles in jets in dijet events in pp collisions at $s=1.8$ TeV and comparisons to perturbative QCD predictions. <i>Physical Review D</i> , 2003 , 68,	4-9	36
497	Measurement of partial widths and search for direct CP violation in D^0 meson decays to $K-K^+$ and $\pi-\pi^+$. <i>Physical Review Letters</i> , 2005 , 94, 122001	7-4	36
496	Inclusive search for standard model Higgs boson production in the WW decay channel using the CDF II detector. <i>Physical Review Letters</i> , 2010 , 104, 061803	7-4	35
495	First search for multijet resonances in $\sqrt{s} = 1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 107, 042001	7-4	35
494	Search for the charged Higgs boson in the decays of top quark pairs in the $e\bar{\nu}$ and $\ell\bar{\nu}$ channels at $s=1.8$ TeV. <i>Physical Review D</i> , 2000 , 62,	4-9	35
493	Search for new particles decaying to $t\bar{t}$; in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 2062-7	7-4	35
492	Search for gluino and squark cascade decays at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 1996 , 76, 2006-2010	7-4	35

491	Top quark mass measurement in the lepton + jets channel using a matrix element method and in situ jet energy calibration. <i>Physical Review Letters</i> , 2010 , 105, 252001	7.4	34
490	Publisher's Note: Search for $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ Decays with CDF II [Phys. Rev. Lett. 107, 191801 (2011)]. <i>Physical Review Letters</i> , 2011 , 107,	7.4	34
489	Limits on the production of narrow tt resonances in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	34
488	Measurement of the cross section for tt production in pp collisions using the kinematics of lepton+jets events. <i>Physical Review D</i> , 2005 , 72,	4.9	34
487	Double diffraction dissociation at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2001 , 87, 141802	7.4	34
486	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
485	Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2009 , 103, 201801	7.4	33
484	Measurement of the CP-Violation Parameter $\sin(2\beta)$ in $B_d^0/B_{\bar{d}}^0 \rightarrow J/\psi K_S^0$ Decays. <i>Physical Review Letters</i> , 1998 , 81, 5513-5518	7.4	33
483	Measurement of the inclusive jet cross section using the k_T algorithm in pp collisions at (square root s)=1.96 TeV. <i>Physical Review Letters</i> , 2006 , 96, 122001	7.4	33
482	Observation of WZ production. <i>Physical Review Letters</i> , 2007 , 98, 161801	7.4	33
481	Measurement of the cross section for prompt diphoton production in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 022003	7.4	33
480	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
479	Measurement of the CP-violating phase β_J/β in $B_s^0 \rightarrow J/\psi$ decays with the CDF II detector. <i>Physical Review D</i> , 2012 , 85,	4.9	32
478	First measurement of the b -jet cross section in events with a W boson in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 131801	7.4	32
477	Measurement of resonance parameters of orbitally excited narrow B^0 mesons. <i>Physical Review Letters</i> , 2009 , 102, 102003	7.4	32
476	Evidence for the charmless annihilation decay mode $B(s)(0) \rightarrow [(\bar{c}+)](\bar{c})$. <i>Physical Review Letters</i> , 2012 , 108, 211803	7.4	32
475	First measurement of W boson production in association with a single Charm quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 091803	7.4	32
474	Search for electroweak single-top-quark production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	32

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472	Search for pair production of Higgs bosons in the ($\overline{b}b$) final state using proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3 ¹
471	Constraints on mediator-based dark matter and scalar dark energy models using (\sqrt{s}) = 13 TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3 ¹
470	Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II. <i>Physical Review Letters</i> , 2010 , 104, 011801	7.4	3 ¹
469	Search for the decays $B_{(s)}^{(0)} \rightarrow e^{(+)} \mu^{(-)}$ and $B_{(s)}^{(0)} \rightarrow e^{(+)} e^{(-)}$ in CDF run II. <i>Physical Review Letters</i> , 2009 , 102, 201801	7.4	3 ¹
468	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. <i>Physical Review D</i> , 2005 , 72,	4.9	3 ¹
467	Measurements of b-jet tagging efficiency with the ATLAS detector using (\overline{t}) events at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3 ¹
466	Measurement of W-boson polarization in Top-Quark Decay in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 042002	7.4	3 ⁰
465	Search for a standard model Higgs boson in $WH \rightarrow \nu b\bar{b}$ in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 101802	7.4	3 ⁰
464	Observation of exclusive $\bar{t}t$ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 081801	7.4	3 ⁰
463	The $\bar{t}t$ and $e\bar{t}$ Decays of Top Quark Pairs Produced in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 79, 3585-3590	7.4	3 ⁰
462	Model-independent and quasi-model-independent search for new physics at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	3 ⁰
461	Search for heavy toptlike quarks using lepton plus jets events in 1.96 TeV pp collisions. <i>Physical Review Letters</i> , 2008 , 100, 161803	7.4	3 ⁰
460	Precision top-quark mass measurement in the lepton+jets topology in p p collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 022004	7.4	3 ⁰
459	Measurement of the inclusive jet cross section in pp interactions at $\sqrt{s}=1.96$ TeV using a cone-based jet algorithm. <i>Physical Review D</i> , 2006 , 74,	4.9	3 ⁰
458	Measurement of $W\gamma$ and $Z\gamma$ production in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 041803	7.4	3 ⁰
457	Events with a Rapidity Gap between Jets in p p Collisions at $\sqrt{s}=630$ GeV. <i>Physical Review Letters</i> , 1998 , 81, 5278-5283	7.4	3 ⁰
456	Performance of resistive plate counters at beam flux up to 140 Hz/cm ² . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989 , 283, 654-657	1.2	3 ⁰

455	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
454	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
453	Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4.9	29
452	Design and construction of new central and forward muon counters for CDF II. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 538, 358-371	1.2	29
451	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
450	Measurement of the top pair production cross section in the dilepton decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	28
449	Search for a heavy toplelike quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 261801	7.4	28
448	Strong evidence for ZZ production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 201801	7.4	28
447	Search for high-mass resonances decaying to $e\mu$ in pp collisions at square root = 1.69 TeV. <i>Physical Review Letters</i> , 2006 , 96, 211802	7.4	28
446	Search for new particles leading to Z+jets final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	28
445	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , 2005 , 71,	4.9	28
444	Search for second and third generation leptoquarks including production via technicolor interactions in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 2056-61	7.4	28
443	Measurement of b-quark fragmentation fractions in $p\bar{p}$ collisions at \sqrt{s} . <i>Physical Review Letters</i> , 2000 , 84, 1663-8	7.4	28
442	Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1998 , 80, 5275-5280	7.4	28
441	Search for R-Parity Violating Supersymmetry Using Like-Sign Dielectrons in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1999 , 83, 2133-2138	7.4	28
440	Measurement of the $b\bar{b}$ Cross Section in 800GeV/c Proton-Silicon Interactions. <i>Physical Review Letters</i> , 1999 , 82, 41-44	7.4	28
439	Ratios of bottom meson branching fractions involving J/psi mesons and determination of b quark fragmentation fractions. <i>Physical Review D</i> , 1996 , 54, 6596-6609	4.9	28
438	Direct measurement of the total decay width of the top quark. <i>Physical Review Letters</i> , 2013 , 111, 202001	7.4	27

437	Search for pair production of supersymmetric top quarks in dilepton events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 251801	7.4	27
436	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	27
435	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , 2005 , 71,	4.9	27
434	Search for long-lived doubly charged Higgs bosons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 071801	7.4	27
433	Production of $\chi(c1)$ and $\chi(c2)$ in pp collisions at $\sqrt{S} = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 86, 3963-8	7.4	27
432	Measurement of the B_{S0} meson lifetime using semileptonic decays. <i>Physical Review D</i> , 1999 , 59,	4.9	27
431	Production of J/ψ and ψ' in 800 GeV/c proton-silicon interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 374, 271-276	4.2	27
430	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	26
429	Search for WW and WZ resonances decaying to electron, missing E(T), and two jets in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 241801	7.4	26
428	Measurement of cross sections for b jet production in events with a Z boson in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	26
427	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s=1.96$ TeV using the CDF detector. <i>Physical Review D</i> , 2009 , 80,	4.9	26
426	Search for high mass resonances decaying to muon pairs in $\sqrt{s}=1.96$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 121801	7.4	26
425	Measurement of ratios of fragmentation fractions for bottom hadrons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	26
424	Precision measurement of the top-quark mass from dilepton events at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	26
423	Search for scalar top quark production in p-p collisions at \sqrt{s} . <i>Physical Review Letters</i> , 2000 , 84, 5273-8	7.4	26
422	Measurement of the decay amplitudes of $B_0 \rightarrow J/\psi K^*0$ and $B(s)(0) \rightarrow J/\psi$ straight phi decays. <i>Physical Review Letters</i> , 2000 , 85, 4668-73	7.4	26
421	Measurement of Z_0 and Drell-Yan production cross sections using dimuons in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1999 , 59,	4.9	26
420	Measurement of Λ_b Lifetime Using $\Lambda_b \rightarrow \Lambda + c$. <i>Physical Review Letters</i> , 1996 , 77, 1439-1443	7.4	26

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4 ¹⁸	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
4 ¹⁷	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
4 ¹⁶	Search for pair production of strongly interacting particles decaying to pairs of jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 031802	7.4	25
4 ¹⁵	Measurement of the top quark mass and $pp \rightarrow t\bar{t}$ cross section in the all-hadronic mode with the CDF II detector. <i>Physical Review D</i> , 2010 , 81,	4.9	25
4 ¹⁴	Search for the standard model Higgs boson decaying to a bb pair in events with two oppositely charged leptons using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111803	7.4	25
4 ¹³	Search for the standard model Higgs boson decaying to a bb pair in events with one charged lepton and large missing transverse energy using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111804	7.4	25
4 ¹²	First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	25
4 ¹¹	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	25
4 ¹⁰	Search for excited and exotic electrons in the $e\gamma$ decay channel in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 101802	7.4	25
4 ⁰⁹	Forward-Backward Charge Asymmetry of Electron Pairs above the Z0 Pole. <i>Physical Review Letters</i> , 1996 , 77, 2616-2621	7.4	25
4 ⁰⁸	Evidence for a bottom baryon resonance Λ_b^0 in CDF data. <i>Physical Review D</i> , 2013 , 88,	4.9	24
4 ⁰⁷	Measurement of the Λ_b^0 lifetime in $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decays in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 104, 102002	7.4	24
4 ⁰⁶	Search for a fermiophobic Higgs boson decaying into diphotons in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 103, 061803	7.4	24
4 ⁰⁵	Measurement of polarization and search for CP violation in $B(s)0 \rightarrow \ell\bar{\ell}$ decays. <i>Physical Review Letters</i> , 2011 , 107, 261802	7.4	24
4 ⁰⁴	Limits on anomalous trilinear gauge couplings in Z events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 051802	7.4	24
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4 ⁰²	Measurement of the mass difference between t and \bar{t} quarks. <i>Physical Review Letters</i> , 2011 , 106, 152001	7.4	24

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400	Measurement of the WZ cross section and triple gauge couplings in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	24
399	Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed tt events with CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	24
398	Measurement of the top-quark mass in all-hadronic decays in pp collisions at CDF II. <i>Physical Review Letters</i> , 2007 , 98, 142001	7.4	24
397	Precise measurement of the top-quark mass in the lepton+jets topology at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 182002	7.4	24
396	Search for first-generation scalar leptoquarks in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 72,	4.9	24
395	Search for a fourth-generation quark more massive than the Z0 boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 835-40	7.4	24
394	Search for flavor-changing neutral current B meson decays in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 76, 4675-4680	7.4	24
393	Measurements of direct CP-violating asymmetries in charmless decays of bottom baryons. <i>Physical Review Letters</i> , 2014 , 113, 242001	7.4	23
392	Search for Higgs bosons produced in association with b quarks. <i>Physical Review D</i> , 2012 , 85,	4.9	23
391	Search for the production of scalar bottom quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 081802	7.4	23
390	Diffractional W and Z production at the Fermilab Tevatron. <i>Physical Review D</i> , 2010 , 82,	4.9	23
389	Direct top-quark width measurement at CDF. <i>Physical Review Letters</i> , 2010 , 105, 232003	7.4	23
388	Measurement of b hadron lifetimes in exclusive decays containing a J/ψ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 121804	7.4	23
387	Search for New T' particles in final states with large jet multiplicities and missing transverse energy in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 191803	7.4	23
386	Search for production of heavy particles decaying to top quarks and invisible particles in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 191801	7.4	23
385	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab [Phys. Rev. Lett. 77 , 5336 (1996)]. <i>Physical Review Letters</i> , 1997 , 78, 4307-4308	7.4	23
384	Measurement of the $pp \rightarrow tt$ production cross section and the top quark mass at $s=1.96$ TeV in the all-hadronic decay mode. <i>Physical Review D</i> , 2007 , 76,	4.9	23

383	Measurement of $(\sigma_{pp \rightarrow Z} B(Z \rightarrow \mu\mu))$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	23
382	K_S^0 and \bar{D} production studies in pp collisions at $\sqrt{s}=1800$ and 630 GeV. <i>Physical Review D</i> , 2005 , 72,	4.9	23
381	Direct photon cross section with conversions at CDF. <i>Physical Review D</i> , 2004 , 70,	4.9	23
380	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23
379	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 26	4.2	22
378	Measurement of the inclusive leptonic asymmetry in top-quark pairs that decay to two charged leptons at CDF. <i>Physical Review Letters</i> , 2014 , 113, 042001	7.4	22
377	Measurement of the masses and widths of the bottom baryons Λ_b^0 and Λ_b^{*0} . <i>Physical Review D</i> , 2012 , 85,	4.9	22
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374	Search for a new heavy gauge boson W' with event signature electron+missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
373	Evidence for $t\bar{t}$ production and measurement of $\sigma_{t\bar{t}}$. <i>Physical Review D</i> , 2011 , 84,	4.9	22
372	Combined search for the standard model Higgs boson decaying to a $b\bar{b}$ pair using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 111802	7.4	22
371	Measurement of correlated $b\bar{b}$ production in pp collisions at $\sqrt{s}=1.96$ GeV. <i>Physical Review D</i> , 2008 , 77,	4.9	22
370	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. <i>Physical Review D</i> , 2006 , 74,	4.9	22
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365	Measurement of the WW + WZ production cross section using the lepton + jets final state at CDF II. <i>Physical Review Letters</i> , 2010 , 104, 101801	7.4	21
364	Measurement of the top quark mass in the dilepton channel using mT2 at CDF. <i>Physical Review D</i> , 2010 , 81,	4.9	21
363	Measurements of branching fraction ratios and CP asymmetries in $B_{\mu} \rightarrow DCPK_{\mu}$ decays in hadron collisions. <i>Physical Review D</i> , 2010 , 81,	4.9	21
362	Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	21
361	Search for New Particles Decaying into $bb\bar{\nu}$ and Produced in Association with W Bosons Decaying into $e\bar{\nu}$ at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1997 , 79, 3819-3824	7.4	21
360	Top-quark mass measurement from dilepton events at CDF II. <i>Physical Review Letters</i> , 2006 , 96, 152002	7.4	21
359	Search for V+A current in top-quark decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 072001	7.4	21
358	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. <i>Physical Review D</i> , 2005 , 71,	4.9	21
357	Search for second-generation scalar leptoquarks in $pp\bar{\nu}$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	21
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355	Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of $pp\bar{\nu}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 81, 4806-4811	7.4	21
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353	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
352	Observation of $D_{\mu}\bar{\nu}$ mixing using the CDF II detector. <i>Physical Review Letters</i> , 2013 , 111, 231802	7.4	20
351	Observation of the production of a W boson in association with a single charm quark. <i>Physical Review Letters</i> , 2013 , 110, 071801	7.4	20
350	Study of the associated production of photons and b-quark jets in $pp\bar{\nu}$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	20
349	Observation of $B_{s0} \rightarrow J/\psi(892)0$ and $B_{s0} \rightarrow J/\psi S0$ decays. <i>Physical Review D</i> , 2011 , 83,	4.9	20
348	Measurement of ZZ production in leptonic final states at \sqrt{s} of 1.96 TeV at CDF. <i>Physical Review Letters</i> , 2012 , 108, 101801	7.4	20

347	Search for $W^?$ boson decaying to electron-neutrino pairs in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	20
346	Search for heavy long-lived particles that decay to photons at CDF II. <i>Physical Review Letters</i> , 2007 , 99, 121801	7.4	20
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344	Measurement of the b jet cross section in events with a Z boson in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 74,	4.9	20
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342	Measurement of the top quark $p(T)$ distribution. <i>Physical Review Letters</i> , 2001 , 87, 102001	7.4	20
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339	Measurement of central exclusive \mathbb{H} production in pp collisions at $s=0.9$ and 1.96 TeV at CDF. <i>Physical Review D</i> , 2015 , 91,	4.9	19
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337	Search for the supersymmetric partner of the top quark in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	19
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335	Search for a Higgs boson decaying to two W bosons at CDF. <i>Physical Review Letters</i> , 2009 , 102, 021802	7.4	19
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333	Measurement of $\sigma(\Lambda_b^0/\sigma B^0 \times B(\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-)/B(B^0 \rightarrow D^+ \pi^-))$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 122002	7.4	19
332	Search for high-mass diphoton states and limits on Randall-Sundrum gravitons at CDF. <i>Physical Review Letters</i> , 2007 , 99, 171801	7.4	19
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329	Search for chargino-neutralino production in pp-bar collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , 1996 , 76, 4307-4311	7.4	19
328	Mass and lifetime measurements of bottom and charm baryons in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2014 , 89,	4.9	18
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326	Search for the rare decays $B^+ \rightarrow \mu^+ \nu_\mu$, $B^0 \rightarrow \mu^+ \mu^- (892)^0$, and $B_s^0 \rightarrow \mu^+ \mu^-$ at CDF. <i>Physical Review D</i> , 2009 , 79,	4.9	18
325	Measurement of the b-hadron production cross section using decays to $D^0 X$ final states in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	18
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323	Limits on light gravitino production and new processes with large missing transverse energy in p¯ collisions at sqrt. <i>Physical Review Letters</i> , 2000 , 85, 1378-83	7.4	18
322	Search for the Decays $B_s^0, B_d^0 \rightarrow e^+ \mu^-$ and Pati-Salam Leptoquarks. <i>Physical Review Letters</i> , 1998 , 81, 5742-5747	7.4	18
321	Search for R-parity violating decays of sneutrinos to $e^+ \mu^-$ and $e^+ \tau^-$ pairs in pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 105, 191801	7.4	17
320	First observation of $B(s)^0 \rightarrow D(s)^{+/-} K(-/+)$ and measurement of the ratio of branching fractions $B(B(s)^0 \rightarrow D(s)^{+/-} K(-+)/B(B(s)^0 \rightarrow D(s)^+ \pi^-)$. <i>Physical Review Letters</i> , 2009 , 103, 191802	7.4	17
319	Measurement of W-boson helicity fractions in top-quark decays using \cos^2 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 160-167	4.2	17
318	Diffractive dijet production in p collisions at s=1.96 TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	17
317	Search for a neutral Higgs boson decaying to a W boson pair in pp collisions at square root of s = 1.96 TeV. <i>Physical Review Letters</i> , 2006 , 97, 081802	7.4	17
316	Measurement of the helicity of W bosons in top-quark decays. <i>Physical Review D</i> , 2006 , 73,	4.9	17
315	Search for the supersymmetric partner of the top quark in dilepton events from pp collisions at square root of s=1.8 TeV. <i>Physical Review Letters</i> , 2003 , 90, 251801	7.4	17
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312	Measurement of the $B_d^0 B_d^0$ oscillation frequency using dimuon data in pp collisions at s=1.8 TeV. <i>Physical Review D</i> , 1999 , 60,	4.9	17

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303	Measurement of the cross section for prompt isolated diphoton production using the full CDF run II data sample. <i>Physical Review Letters</i> , 2013 , 110, 101801	7.4	16
302	Search for $B_{s0} \rightarrow \mu\mu$ and $B_0 \rightarrow \mu\mu$ decays with the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	16
301	Exclusion of exotic top-like quarks with $\pm 2/3$ electric charge using jet-charge tagging in single-lepton $t\bar{t}$ events at CDF. <i>Physical Review D</i> , 2013 , 88,	4.9	16
300	Search for Randall-Sundrum gravitons in the diphoton channel at CDF. <i>Physical Review D</i> , 2011 , 83,	4.9	16
299	Search for resonant production of $t\bar{t}$ pairs in 4.8 fb^{-1} of integrated luminosity of pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	16
298	First measurement of the ratio of branching fractions $B(B_0 \rightarrow \bar{d}^+ \mu^-) / B(B_0 \rightarrow \bar{d}^+ \mu^+)$ <i>Physical Review D</i> , 2009 , 79,	4.9	16
297	Search for new physics in high p_T like-sign dilepton events at CDF II. <i>Physical Review Letters</i> , 2011 , 107, 181801	7.4	16
296	Search for new color-octet vector particle decaying to . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 691, 183-190	4.2	16
295	Limits on anomalous triple gauge couplings in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	16
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293	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
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291	Measurement of W-boson polarization in top-quark decay using the full CDF Run II data set. <i>Physical Review D</i> , 2013 , 87,	4.9	15
290	Measurement of the top quark mass in the all-hadronic mode at CDF. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 24-31	4.2	15
289	Measurement of the B_c meson lifetime in the decay $B_c \rightarrow J/\psi$ <i>Physical Review D</i> , 2013 , 87,	4.9	15
288	Search for resonant top-antitop production in the lepton plus jets decay mode using the full CDF data set. <i>Physical Review Letters</i> , 2013 , 110, 121802	7.4	15
287	Search for single top quark production in pp collisions at $s=1.96$ TeV in the missing transverse energy plus jets topology. <i>Physical Review D</i> , 2010 , 81,	4.9	15
286	Direct bound on the total decay width of the top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 042001	7.4	15
285	Top quark mass measurement in the lepton plus jets channel using a modified matrix element method. <i>Physical Review D</i> , 2009 , 79,	4.9	15
284	Measurement of the cross section for prompt isolated diphoton production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	15
283	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B \rightarrow D^{(*)} K$ and $B \rightarrow D^{(*)} K^*$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	15
282	Search for a dark matter candidate produced in association with a single top quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 201802	7.4	15
281	Measurement of $B_{s0} \rightarrow D_s^{(*)} + D_s^{(*)-}$ branching ratios. <i>Physical Review Letters</i> , 2012 , 108, 201801	7.4	15
280	Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in pp over collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 071802	7.4	15
279	First observation of the decay $B_{s0} \rightarrow D_s - D_s^+$ and measurement of its branching ratio. <i>Physical Review Letters</i> , 2008 , 100, 021803	7.4	15
278	Cross-section-constrained top-quark mass measurement from dilepton events at the Tevatron. <i>Physical Review Letters</i> , 2008 , 100, 062005	7.4	15
277	Measurement of mass and width of the excited charmed meson states D_{10} and D_{2^*0} at CDF. <i>Physical Review D</i> , 2006 , 73,	4.9	15
276	Heavy flavor properties of jets produced in pp interactions at $s=1.8$ TeV. <i>Physical Review D</i> , 2004 , 69,	4.9	15

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268	Combination of searches for the Higgs boson using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	14
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266	Exclusion of an exotic top quark with $-4/3$ electric charge using soft lepton tagging. <i>Physical Review Letters</i> , 2010 , 105, 101801	7.4	14
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264	Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing. <i>Physical Review D</i> , 2008 , 78,	4.9	14
263	Measurement of the ratios of branching fractions and. <i>Physical Review Letters</i> , 2006 , 96, 191801	7.4	14
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261	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 98, 131804	7.4	14
260	Search for excited and exotic muons in the μ gamma decay channel in p-p collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 191802	7.4	14
259	Observation of diffractive J/ψ production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2001 , 87, 241802	7.4	14
258	Evidence for s-channel single-top-quark production in events with one charged lepton and two jets at CDF. <i>Physical Review Letters</i> , 2014 , 112, 231804	7.4	13

257	Search for Gluino-Mediated Bottom Squark Production in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 221801	7.4	13
256	Measurement of the $t\bar{t}$ production cross section in 2 fb of pp collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with soft muon b tagging. <i>Physical Review D</i> , 2009 , 79,	4.9	13
255	Search for resonant production of $t\bar{t}$ decaying to jets in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	13
254	Search for the standard model Higgs Boson produced in association with top quarks using the full CDF data set. <i>Physical Review Letters</i> , 2012 , 109, 181802	7.4	13
253	Properties of Jets in W Boson Events from 1.8 TeV pp Collisions. <i>Physical Review Letters</i> , 1997 , 79, 4760-4765	7.4	13
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250	Measurement of the ratio of branching fractions $B(D0 \rightarrow K^+ \ell^-) / B(D0 \rightarrow K^0 \ell^-)$ using the CDF II detector. <i>Physical Review D</i> , 2006 , 74,	4.9	13
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244	The E771 RPC muon detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992 , 315, 92-94	1.2	13
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237	Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 87,	4.9	12
236	Search for anomalous production of events with two photons and additional energetic objects at CDF. <i>Physical Review D</i> , 2010 , 82,	4.9	12
235	Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	12
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233	Search for a low-mass standard model Higgs boson in the $\tau\tau$ decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181804	7.4	12
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230	Measurement of the ratios of branching fractions $B(B_0s \rightarrow Ds^- \pi^+ \pi^+ \pi^-)/B(B_0 \rightarrow D^- \pi^+ \pi^+ \pi^-)$ and $B(B_0s \rightarrow Ds^- \pi^+)/B(B_0 \rightarrow D^- \pi^+)$. <i>Physical Review Letters</i> , 2007 , 98, 061802	7.4	12
229	Branching ratio measurements of exclusive B^+ decays to charmonium with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2002 , 66,	4.9	12
228	Search for color singlet technicolor particles in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 1110-5	7.4	12
227	Search for a W' boson via the decay mode $W' \rightarrow \mu\mu$ in 1.8 TeV pp collisions. <i>Physical Review Letters</i> , 2000 , 84, 5716-21	7.4	12
226	Hadroproduction of the χ and ψ states of charmonium in 800-GeV/c proton-silicon interactions. <i>Physical Review D</i> , 2000 , 62,	4.9	12
225	Measurement of the Lifetime of the B_0s Meson Using the Exclusive Decay Mode $B_0s \rightarrow J/\psi \phi$. <i>Physical Review Letters</i> , 1996 , 77, 1945-1949	7.4	12
224	Further properties of high-mass multijet events at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , 1996 , 54, 4221-4233	4.9	12
223	Resistive plate counters readout system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991 , 307, 312-315	1.2	12
222	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ($\sqrt{s}=8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	11

221	Measurement of indirect CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays at CDF. <i>Physical Review D</i> , 2014 , 90,	4.9	11
220	Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in top-quark-pair decays using dilepton events and the full CDF Run II data set. <i>Physical Review Letters</i> , 2014 , 112, 221801	7.4	11
219	Search for high-mass resonances decaying into ZZ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	11
218	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
217	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. <i>Physical Review D</i> , 2013 , 88,	4.9	11
216	Measurement of event shapes in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	11
215	Measurement of the $t\bar{t}$ cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events with a lepton plus track selection. <i>Physical Review D</i> , 2009 , 79,	4.9	11
214	Measurement of the $B(s)0$ lifetime in fully and partially reconstructed $B(s)0 \rightarrow D(s)(-)(?)X$ decays in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 272001	7.4	11
213	Search for a very light CP-odd Higgs boson in top quark decays from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 031801	7.4	11
212	Measurements of the top-quark mass and the $t\bar{t}$ cross section in the hadronic b -jets decay channel at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 192001	7.4	11
211	Search for a heavy particle decaying to a top quark and a light quark in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 211805	7.4	11
210	Search for chargino-neutralino production in pp collisions at $\sqrt{s}=1.96$ TeV with high- p_T leptons. <i>Physical Review D</i> , 2008 , 77,	4.9	11
209	Direct measurement of the W Boson width in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 071801	7.4	11
208	Observation of $B(0)(s) \rightarrow \Psi(2S)\Phi$ and measurement of the ratio of branching fractions $\text{Beta}(B(0)(s) \rightarrow \Psi(2S)\Phi)/\text{Beta}(B(0)(s) \rightarrow J/\Psi\Phi)$. <i>Physical Review Letters</i> , 2006 , 96, 231801	7.4	11
207	Search for scalar bottom quarks from gluino decays in collisions at. <i>Physical Review Letters</i> , 2006 , 96, 171802	7.4	11
206	Intercalibration of the longitudinal segments of a calorimeter system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 487, 381-395	1.2	11
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204	Making the most of aging scintillator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 453, 245-248	1.2	11

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202	Rapidities of produced particles in 200-GeV/c $\pi^+/\rho^+/K^+$ interactions on Au, Ag, and Mg. <i>Physical Review D</i> , 1990 , 41, 765-773	4.9	11
201	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	11
200	Measurement of the single top quark production cross section and $ V_{tb} $ in events with one charged lepton, large missing transverse energy, and jets at CDF. <i>Physical Review Letters</i> , 2014 , 113, 261804	7.4	10
199	Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution. <i>Physical Review D</i> , 2014 , 89,	4.9	10
198	Search for the Higgs boson using neural networks in events with missing energy and b-quark jets in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 141801	7.4	10
197	Measurement of the $k(T)$ distribution of particles in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 232002	7.4	10
196	Top quark mass measurement in the $t\bar{t}$ all hadronic channel using a matrix element technique in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 79,	4.9	10
195	Measurement of the top pair production cross section in the lepton+jets channel using a jet flavor discriminant. <i>Physical Review D</i> , 2011 , 84,	4.9	10
194	Measurement of CP-violation asymmetries in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	10
193	Measurement of the top quark mass at CDF using the "neutrino" weighting template method on a lepton plus isolated track sample. <i>Physical Review D</i> , 2009 , 79,	4.9	10
192	Search for standard model Higgs boson production in association with a W boson at CDF. <i>Physical Review D</i> , 2008 , 78,	4.9	10
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188	Search for s-channel single-top-quark production in events with missing energy plus jets in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231805	7.4	9
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186	Improved search for a Higgs boson produced in association with $Z \rightarrow l^+ l^-$ in pp collisions $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251802	7.4	9

185	Search for the associated production of the standard-model Higgs Boson in the all-hadronic channel. <i>Physical Review Letters</i> , 2009 , 103, 221801	7.4	9
184	Search for the Higgs boson produced in association with $Z \rightarrow \mu\mu$ using the matrix element method at CDF II. <i>Physical Review D</i> , 2009 , 80,	4.9	9
183	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , 2008 , 78,	4.9	9
182	Measurement of b-jet shapes in inclusive jet production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	9
181	Two-particle momentum correlations in jets produced in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	9
180	Search for Higgs bosons decaying to bb and produced in association with W bosons in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 96, 081803	7.4	9
179	Search for chargino-neutralino production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 191806	7.4	9
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175	Search for lepton flavor violating decays of a heavy neutral particle in $p(-)p$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 171602	7.4	9
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173	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
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171	Measurement of VH , ($\text{H} \rightarrow \overline{\text{b}}\text{b}$) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
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169	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb^{-1} of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
168	Measurement of the $WW+WZ$ production cross section using a matrix element technique in lepton+jets events. <i>Physical Review D</i> , 2010 , 82,	4.9	8

167	Search for new physics with a dijet plus missing E(T) signature in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 131801	7.4	8
166	Measurement of the top quark mass in the lepton+jets channel using the lepton transverse momentum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 371-379	4.2	8
165	Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	8
164	Search for the standard model Higgs boson produced in association with a W^\pm boson with 7.5 fb ⁻¹ integrated luminosity at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	8
163	Cross section measurements of high-pT dilepton final-state processes using a global fitting method. <i>Physical Review D</i> , 2008 , 78,	4.9	8
162	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	8
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158	Search for the Flavor Changing Neutral Current Decay $D^0 \rightarrow \mu^+ \mu^-$ in 800 GeV Proton-Silicon Interactions. <i>Physical Review Letters</i> , 1996 , 77, 2380-2383	7.4	8
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155	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
154	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
153	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
152	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^- \rightarrow e^+e^- \nu\bar{\nu})$ and $(e^+e^- \rightarrow e^+e^- \nu\bar{\nu})$ final states using 139 (mathrm {fb}^{-1}) of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
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150	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $(\sqrt{s}) = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8

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146	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. <i>Physical Review D</i> , 2014 , 90,	4.9	7
145	Measurement of the ZZ production cross section using the full CDF II data set. <i>Physical Review D</i> , 2014 , 89,	4.9	7
144	Measurement of $Z\bar{\nu}$ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
143	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \bar{\nu}\nu$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	7
142	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. <i>Physical Review D</i> , 2011 , 84,	4.9	7
141	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b -tagged events. <i>Physical Review D</i> , 2009 , 80,	4.9	7
140	Measurement of the B lifetime using a simulation free approach for trigger bias correction. <i>Physical Review D</i> , 2011 , 83,	4.9	7
139	Search for new heavy particles decaying to $ZZ \rightarrow llll, lljj$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	7
138	Measurement of the cross section for prompt isolated diphoton production in pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2011 , 107, 102003	7.4	7
137	Top-quark mass measurement using events with missing transverse energy and jets at CDF. <i>Physical Review Letters</i> , 2011 , 107, 232002	7.4	7
136	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. <i>Physical Review D</i> , 2012 , 86,	4.9	7
135	Search for exotic $S=\bar{2}$ baryons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2007 , 75,	4.9	7
134	Measurement of the top-quark mass using missing ET+jets events with secondary vertex b -tagging at CDF II. <i>Physical Review D</i> , 2007 , 75,	4.9	7
133	Search for scalar leptoquark pairs decaying to lqq in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
132	Search for ZZ and ZW production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7

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130	Cross section for forward J/ψ production in pp collisions at s=1.8TeV. <i>Physical Review D</i> , 2002 , 66,	4.9	7
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126	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
125	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the ($\ell\ell$ bb) and ($\ell\ell$ WW) final states in pp collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
124	Measurements of WH and ZH production in the ($H \rightarrow \bar{b}b$) decay channel in pp collisions at (13 , text {TeV})text {V} with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
123	Searches for the Higgs boson decaying to $W+W\rightarrow\mu\mu$ with the CDF II detector. <i>Physical Review D</i> , 2013 , 88,	4.9	6
122	Search for technicolor particles produced in association with a W Boson at CDF. <i>Physical Review Letters</i> , 2010 , 104, 111802	7.4	6
121	Measurement of the $t\bar{t}$ production cross section in pp collisions at s=1.96 TeV using soft electron b-tagging. <i>Physical Review D</i> , 2010 , 81,	4.9	6
120	Search for narrow resonances lighter than ρ mesons. <i>European Physical Journal C</i> , 2009 , 62, 319-326	4.2	6
119	Search for standard model Higgs boson production in association with a W boson using a neural network discriminant at CDF. <i>Physical Review D</i> , 2009 , 80,	4.9	6
118	Measurement of the $t\bar{t}$ production cross section in pp collisions at s=1.96 TeV using events with large missing transverse energy and jets. <i>Physical Review D</i> , 2011 , 84,	4.9	6
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112	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	6
111	Search for new phenomena in final states with b-jets and missing transverse momentum in (\sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	6
110	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	6
109	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at (\sqrt{s}) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
108	Search for production of an $\Upsilon(1S)$ meson in association with a W or Z boson using the full 1.96 TeV pp collision data set at CDF. <i>Physical Review D</i> , 2015 , 91,	4-9	5
107	Search for the Higgs boson in the all-hadronic final state using the full CDF data set. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	5
106	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. <i>Physical Review Letters</i> , 2015 , 115, 061801	7-4	5
105	Invariant-mass distribution of jet pairs produced in association with a W boson in pp collisions at $s=1.96$ TeV using the full CDF Run II data set. <i>Physical Review D</i> , 2014 , 89,	4-9	5
104	Production of K_S^0 , $K^{*0}(892)$ and $\phi(1020)$ in minimum bias events and K_S^0 and ϕ in jets in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2013 , 88,	4-9	5
103	Measurement of the $t\bar{t}$ production cross section with an in situ calibration of b-jet identification efficiency. <i>Physical Review D</i> , 2011 , 83,	4-9	5
102	Search for new physics in the $\mu e/\mu \tau$ channel with a low-pT lepton threshold at the Collider Detector at Fermilab. <i>Physical Review D</i> , 2009 , 79,	4-9	5
101	Search for a Higgs boson in the diphoton final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 011801	7-4	5
100	Search for the rare radiative decay $W \rightarrow \mu \gamma$ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	5
99	Search for anomalous production of multiple leptons in association with W and Z bosons at CDF. <i>Physical Review D</i> , 2012 , 85,	4-9	5
98	Searching the inclusive $B \rightarrow T+b$ -quark signature for radiative top quark decay and non-standard-model processes. <i>Physical Review D</i> , 2009 , 80,	4-9	5
97	Measurement of B-meson lifetimes using fully reconstructed B decays produced in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4-9	5
96	Properties of photon plus two-jet events in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1998 , 57, 67-77.4.9		5

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94	Search for the $HH \rightarrow (\overline{b}b)$ process via vector-boson fusion production using proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
93	Observation of the associated production of a top quark and a Z boson in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
92	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	5
91	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	5
90	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	5
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88	Measurement of the top-quark mass in the $t\bar{t} \rightarrow \ell^+\ell^-$ dilepton channel using the full CDF Run II data set. <i>Physical Review D</i> , 2015 , 92,	4-9	4
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