

Prafulla Kumar Behera

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

522 papers	20,638 citations	71 h-index	115 g-index
525 ext. papers	22,781 ext. citations	5.4 avg, IF	2.66 L-index

#	Paper	IF	Citations
522	Dynamic Network Traffic Management for Secure and Faster Data Transmission. <i>Algorithms for Intelligent Systems</i> , 2022 , 725-739	0.5	
521	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	0
520	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	0
519	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4.2	3
518	Precise Measurement of the D^0 and D^+ Lifetimes at Belle II. <i>Physical Review Letters</i> , 2021 , 127, 211801	7.4	0
517	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4.2	5
516	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
515	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
514	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5
513	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
512	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4.2	7
511	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4.2	5
510	Group security using ECC. <i>International Journal of Information Technology (Singapore)</i> , 2021 , 1-9	1.4	1
509	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4.2	4
508	Search for a heavy vector resonance decaying to a W boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
507	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4.2	3
506	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4.2	0

505	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4.2	7
504	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
503	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
502	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3
501	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6
500	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
499	Measurement of the integrated luminosity of the Phase 2 data of the Belle II experiment. <i>Chinese Physics C</i> , 2020 , 44, 021001	2.2	8
498	Evidence for ($\text{W}\bar{\text{W}}$) production from double-parton interactions in proton-proton collisions at (\sqrt{s} = 13 ,text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
497	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
496	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
495	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
494	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
493	A multi-dimensional search for new heavy resonances decaying to boosted , , or boson pairs in the dijet final state at 13'. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
492	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	0
491	Measurement of differential cross sections and charge ratios for -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
490	Measurement of ($\bar{t}t$) normalised multi-differential cross sections in (pp) collisions at (\sqrt{s} =13, {TeV}), and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
489	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4.2	2
488	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0

487	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
486	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
485	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
484	Search for supersymmetry in events with a photon, jets, $\bar{\nu}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
483	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
482	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
481	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at ($\sqrt{s}=13$,text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
480	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
479	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
478	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
477	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
476	Search for rare decays of H and Higgs bosons to $W\gamma$ and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7
475	Measurements of ($\sigma(\mathbf{t}\overline{\mathbf{t}})$) differential cross sections in proton-proton collisions at ($\sqrt{s}=13$) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
474	Search for ($\mathbf{t}\overline{\mathbf{t}}\mathbf{H}$) production in the ($\mathbf{H}\rightarrow\mathbf{b}\overline{\mathbf{b}}$) decay channel with leptonic ($\mathbf{t}\overline{\mathbf{t}}$) decays in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
473	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
472	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
471	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two ℓ leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
470	Inclusive search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV using razor variables and boosted object identification in zero and one lepton final states. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

469	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
468	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at ($\sqrt{s} = 13, \text{TeV}$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
467	Measurement of exclusive γ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
466	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
465	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
464	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
463	Study of the ($\mathrm{B}^+ \rightarrow \mathrm{J}/\psi \overline{\Lambda} \mathrm{p}$) decay in proton-proton collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
462	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{b})q(\overline{q})$ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
461	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1
460	Measurement of the differential Drell-Yan cross section in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
459	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
458	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
457	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
456	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4.2	4
455	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at = 13. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
454	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
453	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
452	Measurement of the inclusive ($\mathrm{t}\overline{\mathrm{t}}$) cross section in pp collisions at ($\sqrt{s}=5.02$) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3

451	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
450	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	40
449	Measurement of normalized differential ($\overline{\sigma}(\mathbf{t})$) cross sections in the dilepton channel from pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
448	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
447	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4-2	20
446	Measurements of the ($\mathbf{p}\mathbf{p}\rightarrow\mathbf{Z}\mathbf{Z}$) production cross section and the ($\mathbf{Z}\rightarrow 4\ell$) branching fraction, and constraints on anomalous triple gauge couplings at ($\sqrt{s}=13$,text {TeV}) 2018 , 78, 1		3
445	Search for ($\overline{\mathbf{t}}\mathbf{t}\mathbf{H}$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
444	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
443	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	39
442	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
441	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4-2	13
440	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	37
439	Search for narrow and broad dijet resonances in proton-proton collisions at ($\sqrt{s}=13$) TeV and constraints on dark matter mediators and other new particles. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	50
438	Search for $\mathbf{Z}\mathbf{\tilde{l}}$ resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
437	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
436	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
435	Search for supersymmetry in events with a $\mathbf{\tilde{l}}\mathbf{\tilde{l}}$ lepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
434	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4-2	23

433	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4.2	19
432	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
431	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 697	4.2	9
430	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4.2	19
429	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
428	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
427	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
426	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4.2	5
425	Search for vector-like T and B quark pairs in final states with leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	29
424	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\nu}\ell\nu$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
423	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
422	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\nu\bar{\nu}\ell\ell$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
421	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	18
420	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4.2	25
419	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
418	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying ℓ leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
417	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	12
416	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16

4 ¹⁵	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
4 ¹⁴	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
4 ¹³	Measurement of the inelastic proton-proton cross section at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	41
4 ¹²	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	24
4 ¹¹	Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
4 ¹⁰	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22
4 ⁰⁹	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at ($\sqrt{s}=8$) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
4 ⁰⁸	Search for electroweak production of charginos in final states with two ℓ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
4 ⁰⁷	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4.2	7
4 ⁰⁶	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 236	4.2	21
4 ⁰⁵	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26
4 ⁰⁴	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
4 ⁰³	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
4 ⁰²	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4.2	14
4 ⁰¹	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
4 ⁰⁰	Search for ($\overline{\mathrm{t}}\mathrm{t}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
399	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\mathrm{b}}\mathrm{b}$) or $\ell\ell$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
398	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	26

397	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4.2	54
396	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
395	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
394	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17
393	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
392	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
391	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22
390	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
389	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
388	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
387	Search for top squark pair production in pp collisions at ($\sqrt{s}=13$) TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
386	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section using events with one lepton and at least one jet in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
385	Search for a heavy resonance decaying to a top quark and a vector-like top quark at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
384	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
383	Search for top quark partners with charge 5/3 in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
382	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
381	Search for new physics with dijet angular distributions in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
380	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46

379	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35
378	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) (TeV). <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
377	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
376	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
375	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4.2	8
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373	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
372	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
371	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
370	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
369	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
368	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
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363	Study of the reaction $e^+e^- \rightarrow (2S) \mu^+\mu^-$ via initial-state radiation at BaBar. <i>Physical Review D</i> , 2014 , 89,	4.9	59
362	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34

361	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
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357	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
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355	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
354	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
353	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
352	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
351	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	55
350	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
349	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
348	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
347	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
346	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s}=7$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2013 , 15, 043007	2.9	35
345	Search for resonant diboson production in the WW/WZ- \rightarrow jj decay channels with the ATLAS detector at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	18
344	Branching fraction measurement of $B^+ \rightarrow \mu^+ \nu_\mu$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	13

343	Measurement of upsilon production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87,	4.9	68
342	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 011802	7.4	99
341	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	34
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338	Measurement of CP asymmetries and branching fractions in charmless two-body B-meson decays to pions and kaons. <i>Physical Review D</i> , 2013 , 87,	4.9	31
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336	Measurements of $W\ell$ and $Z\ell$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	49
335	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
334	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s} = 7$ TeV) with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
333	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
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330	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
329	Measurement of polarization in \rightarrow decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
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325	Search for anomalous production of prompt like-sign lepton pairs at ($\sqrt{s}=7;\mathrm{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
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322	Measurement of the semileptonic branching fraction of the B_s meson. <i>Physical Review D</i> , 2012 , 85,	4.9	11
321	Search for CP violation in the decay $B \rightarrow K^0 \pi^0$. <i>Physical Review D</i> , 2012 , 85,	4.9	24
320	Observation and study of the baryonic B-meson decays $B \rightarrow D^{(*)} p \pi^0$. <i>Physical Review D</i> , 2012 , 85,	4.9	17
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318	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	35
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315	Measurement of the production cross section for Z/γ in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	28
314	Measurement of the inclusive W^- and Z/γ cross sections in the e and μ decay channels in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	117
313	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	29
312	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	34
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310	A particle consistent with the Higgs boson observed with the ATLAS detector at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1576-82	33.3	56
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308	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199

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304	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
303	Measurement of W^+Z production in proton-proton collisions at ($\sqrt{s}=7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
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299	Search for doubly charged Higgs bosons in like-sign dilepton final states at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
298	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
297	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
296	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
295	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell^\pm \bar{\nu}_\ell$ ($\ell = e, \mu$) events using pp collision data at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
294	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
293	Search for gluinos in events with two same-sign leptons, jets, and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7 \text{ TeV}$. <i>Physical Review Letters</i> , 2012 , 108, 241802	7.4	35
292	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	1
291	Precise measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section with the initial-state radiation method at BABAR. <i>Physical Review D</i> , 2012 , 86,	4.9	110
290	Search for resonant top quark plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in pp collisions at $s=7 \text{ TeV}$. <i>Physical Review D</i> , 2012 , 86,	4.9	15

289	Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181802	7.4	54
288	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow K^{(*)} \mu \mu$. <i>Physical Review D</i> , 2012 , 86,	4.9	82
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285	Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton + jets channel with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 261802	7.4	26
284	Observation of spin correlation in tt events from pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 212001	7.4	67
283	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	107
282	Observation of a new $\Upsilon(b)$ state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
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280	Search for the decay modes $B_c^- \rightarrow h^- \mu^+ \mu^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	21
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278	Initial-state radiation measurement of the $e^+e^- \rightarrow \mu^+\mu^- \gamma$ cross section. <i>Physical Review D</i> , 2012 , 85,	4.9	19
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275	Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 111802	7.4	32
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273	Further search for supersymmetry at $\sqrt{s}=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	42
272	Search for lepton-number violating processes in $B^+ \rightarrow h^+ \ell^+ \ell^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	24

271	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	24
270	Measurement of $D^{*\pm}$ meson production in jets from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	19
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266	Search for resonances decaying to $\ell\ell\ell$ in two-photon interactions. <i>Physical Review D</i> , 2012 , 86,	4.9	8
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264	Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041804	7.4	29
263	Study of $B^0 \rightarrow Xu$ decays in BB events tagged by a fully reconstructed B-meson decay and determination of $ V_{ub} $. <i>Physical Review D</i> , 2012 , 86,	4.9	20
262	Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 261804	7.4	30
261	Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	21
260	Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. <i>Physical Review Letters</i> , 2012 , 109, 032001	7.4	35
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254	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16

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250	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7\sim\text{TeV}$) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
249	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
248	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
247	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
246	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
245	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
244	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim\text{TeV}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
243	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\sim\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
242	. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
241	Measurement of W and Z production in proton-proton collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
240	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31
239	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ($\sqrt{s} = 7$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
238	Search for contact interactions in dimuon events from pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	6
237	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow DK^*$ and $B \rightarrow f_0(980)K^*$ decays. <i>Physical Review D</i> , 2011 , 83,	4.9	7
236	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $s=7$ TeV using the ATLAS detector at the LHC. <i>Physical Review D</i> , 2011 , 83,	4.9	16

235	Study of radiative bottomonium transitions using converted photons. <i>Physical Review D</i> , 2011 , 84,	4.9	12
234	Search for $b \rightarrow u$ transitions in $B^+ \rightarrow [K^* \pi] DK^+$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	11
233	Searches for rare or forbidden semileptonic charm decays. <i>Physical Review D</i> , 2011 , 84,	4.9	33
232	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
231	Measurement of the $W^+ W^-$ cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , 2011 , 107, 041802	7.4	23
230	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
229	Observation of $B(1S)$ and $B(2S)$ decays to $K+K\pi\pi$ in two-photon interactions. <i>Physical Review D</i> , 2011 , 84,	4.9	17
228	Observation of the baryonic B decay $B^0 \rightarrow B^+ K^-$ <i>Physical Review D</i> , 2011 , 84,	4.9	2
227	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	24
226	Measurement of the mass and width of the $D_{s1}(2536)^+$ meson. <i>Physical Review D</i> , 2011 , 83,	4.9	10
225	Evidence for the $h_b(1P)$ meson in the decay $B^0 \rightarrow \pi^0 h_b(1P)$. <i>Physical Review D</i> , 2011 , 84,	4.9	22
224	Study of $B \rightarrow \pi\pi$ and $B \rightarrow \pi\eta$ decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2011 , 83,	4.9	76
223	Measurement of the $Z \rightarrow \tau\tau$ cross section with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	18
222	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	44
221	A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>New Journal of Physics</i> , 2011 , 13, 053044	2.9	108
220	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259
219	Search for the Higgs boson in the $H \rightarrow WW \rightarrow l\bar{l}$ decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 231801	7.4	22
218	Search for production of invisible final states in single-photon decays of $\Upsilon(1S)$. <i>Physical Review Letters</i> , 2011 , 107, 021804	7.4	43

217	Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. <i>Physical Review Letters</i> , 2011 , 106, 251801	7.4	14
216	Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 131802	7.4	125
215	Branching fraction measurements of the color-suppressed decays $B^0 \rightarrow D^{(*)}00$, $D^{(*)}00 D^{(*)}00$ and $D^{(*)}00$ and measurement of the polarization in the decay $B^0 \rightarrow D^{*}00$ <i>Physical Review D</i> , 2011 , 84,	4.9	11
214	Dalitz plot analysis of $Ds^{+-} \rightarrow K + K^0$. <i>Physical Review D</i> , 2011 , 83,	4.9	30
213	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ and $B^{+-} \rightarrow \pi^+ \pi^-$ branching fractions, the $B^0 \rightarrow \pi^0 \pi^0$ and $B^{+-} \rightarrow \pi^+ \pi^-$ form-factor shapes, and determination of $ V_{ub} $. <i>Physical Review D</i> , 2011 , 83,	4.9	29
212	Search for dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 272002	7.4	74
211	Measurements of branching fractions and CP asymmetries and studies of angular distributions for $B \rightarrow \pi^0 \pi^0 K$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	5
210	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 172002	7.4	46
209	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 221802	7.4	27
208	Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 106, 121803	7.4	17
207	Search for hadronic decays of a light Higgs boson in the radiative decay $H \rightarrow \gamma \gamma$. <i>Physical Review Letters</i> , 2011 , 107, 221803	7.4	41
206	Observation of the decay $B^- \rightarrow D(s)^{(*)+} K^- \pi^0$. <i>Physical Review Letters</i> , 2011 , 107, 041804	7.4	7
205	Test of lepton universality in τ decays at BABAR. <i>Physical Review Letters</i> , 2010 , 104, 191801	7.4	19
204	Search for $b \rightarrow u$ transitions in $B \rightarrow DK$ and $D^* K$ decays. <i>Physical Review D</i> , 2010 , 82,	4.9	22
203	Evidence for direct CP violation in the measurement of the Cabbibo-Kobayashi-Maskawa angle β with $B^0 \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review Letters</i> , 2010 , 105, 121801	7.4	42
202	Measurement of D^0 - \bar{D}^0 mixing parameters using $D^0 \rightarrow K(S)^0 \pi^0$ and $D^0 \rightarrow K(S)^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2010 , 105, 081803	7.4	70
201	Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 161801	7.4	97
200	Measurement of CP observables in $B^{\pm} \rightarrow D^0 C P K^{\pm}$ decays and constraints on the CKM angle β <i>Physical Review D</i> , 2010 , 82,	4.9	26

199	Exclusive production of $D_s+D_s^*$ and $D_s^*+D_s$ via $e+e^-$ annihilation with initial-state radiation. <i>Physical Review D</i> , 2010 , 82,	4.9	21
198	Measurements of charged current lepton universality and $ V_{us} $ using tau lepton decays to $e^- \ell^+ \ell^-$ and $K^- \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2010 , 105, 051602	7.4	38
197	Measurement of $ V_{cb} $ and the form-factor slope in $B \rightarrow D \ell^- \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , 2010 , 104, 011802	7.4	57
196	Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle β from $B^0 \rightarrow a_1(1260)^- \ell^+$. <i>Physical Review D</i> , 2010 , 81,	4.9	13
195	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s(NN)} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	458
194	Search for B^+ meson decay to $a_1(1260)K^0(892)$. <i>Physical Review D</i> , 2010 , 82,	4.9	4
193	Evidence for the decay $X(3872) \rightarrow J/\psi$. <i>Physical Review D</i> , 2010 , 82,	4.9	119
192	B-meson decays to $\pi^+ \pi^- f_0$ and $\pi^+ \pi^- K^*$. <i>Physical Review D</i> , 2010 , 82,	4.9	9
191	Observation of the rare decay $B^0 \rightarrow K_S^0 K^{*-}$. <i>Physical Review D</i> , 2010 , 82,	4.9	6
190	Limits on lepton-flavor violating decays into three charged leptons. <i>Physical Review D</i> , 2010 , 81,	4.9	42
189	Observation of the decay $B^0 \rightarrow \bar{B}^0 p \pi^0$. <i>Physical Review D</i> , 2010 , 82,	4.9	6
188	Study of $B \rightarrow X \ell$ decays and determination of $ V_{td}/V_{ts} $. <i>Physical Review D</i> , 2010 , 82,	4.9	28
187	Observation of the $\Xi(2290)$ meson in the reaction $\Xi \rightarrow DD$ at BABAR. <i>Physical Review D</i> , 2010 , 81,	4.9	60
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184	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821.	4.2	70
183	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
182	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14

181	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
180	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
179	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
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177	Precise measurement of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the initial state radiation method at BABAR. <i>Physical Review Letters</i> , 2009 , 103, 231801	7.4	163
176	Search for dimuon decays of a light scalar boson in radiative transitions $Upsilon \rightarrow \gamma A_0$. <i>Physical Review Letters</i> , 2009 , 103, 081803	7.4	139
175	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , 2009 , 103, 051803	7.4	26
174	Measurements of the semileptonic decays $B \rightarrow D^*\ell$ and $B \rightarrow D^*\ell$ using a global fit to $D^*\ell$ final states. <i>Physical Review D</i> , 2009 , 79,	4.9	43
173	Measurements of time-dependent CP asymmetries in $B_0 \rightarrow D^{(*)} + D^{(*)}\ell$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	14
172	Search for a low-mass higgs boson in $Upsilon(3S) \rightarrow \gamma A(0)$, $A(0) \rightarrow \tau^+\tau^-$ at BABAR. <i>Physical Review Letters</i> , 2009 , 103, 181801	7.4	51
171	Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle α . <i>Physical Review Letters</i> , 2009 , 102, 141802	7.4	20
170	Improved limits on lepton-flavor-violating tau decays to $l\phi$, $l\rho$, lK , and $l\bar{K}$. <i>Physical Review Letters</i> , 2009 , 103, 021801	7.4	10
169	Measurement of $B \rightarrow K^{(*)}(892)\gamma$ branching fractions and CP and Isospin asymmetries. <i>Physical Review Letters</i> , 2009 , 103, 211802	7.4	28
168	Evidence for the $\eta(b)(1S)$ meson in radiative $Upsilon(2S)$ decay. <i>Physical Review Letters</i> , 2009 , 103, 161801	7.4	67
167	Search for invisible decays of the $Upsilon(1S)$. <i>Physical Review Letters</i> , 2009 , 103, 251801	7.4	35
166	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B^{+/-} \rightarrow X(3872)K^{+/-}$ decays and a study of $B \rightarrow c\bar{c}[\overline{\gamma}]K$. <i>Physical Review Letters</i> , 2009 , 102, 132001	7.4	134
165	Measurement of the $e^+e^- \rightarrow b\bar{b}[\overline{\gamma}]$ Cross Section between $\sqrt{s}=10.54$ and 11.20 GeV. <i>Physical Review Letters</i> , 2009 , 102, 012001	7.4	57
164	Direct CP, lepton flavor, and isospin asymmetries in the decays $B \rightarrow K^{(*)}l^+l^-$. <i>Physical Review Letters</i> , 2009 , 102, 091803	7.4	58

163	Dalitz plot analysis of $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	42
162	Measurement of D^0 - \overline{D}^0 mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , 2009 , 103, 211801	7.4	34
161	Measurement of $B \rightarrow X \gamma$ decays and determination of $ V_{td}/V_{ts} $. <i>Physical Review Letters</i> , 2009 , 102, 161803	7.4	2
160	Model-independent search for the decay $B^+ \rightarrow l^+ \pi^0$. <i>Physical Review D</i> , 2009 , 80,	4.9	14
159	Observation and polarization measurement of $B^0 \rightarrow a_1(1260) a_1(1260)$ decay. <i>Physical Review D</i> , 2009 , 80,	4.9	4
158	Dalitz plot analysis of $B^0 \rightarrow D^+ \pi^-$. <i>Physical Review D</i> , 2009 , 79,	4.9	41
157	Observation of B meson decays to K^* and improved measurements for \overline{B}^0 and B^0 . <i>Physical Review D</i> , 2009 , 79,	4.9	14
156	Constraints on the CKM angle γ in $B^0 \rightarrow D^0 K^* 0$ and $B^0 \rightarrow D^0 K^* 0$ from a Dalitz analysis of D^0 and \overline{D}^0 decays to $K S^0$. <i>Physical Review D</i> , 2009 , 79,	4.9	10
155	Search for B^0 meson decays to $\overline{D}^0 K S^0 K S^0$, $K S^0 K S^0$, and $\overline{D}^0 K S^0 K S^0$. <i>Physical Review D</i> , 2009 , 80,	4.9	3
154	Measurement of the $B^+ \rightarrow \pi^+ \pi^0$ and $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ branching fractions. <i>Physical Review D</i> , 2009 , 79,	4.9	9
153	Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \pi^+$. <i>Physical Review D</i> , 2009 , 79,	4.9	12
152	Measurement of the semileptonic decays $B^0 \rightarrow D^+ \pi^-$ and $B^0 \rightarrow D^{*+} \pi^-$. <i>Physical Review D</i> , 2009 , 79,	4.9	18
151	Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2009 , 80,	4.9	37
150	Angular distributions in the decay $B \rightarrow K^* l^+ l^-$. <i>Physical Review D</i> , 2009 , 79,	4.9	63
149	Evidence for $B^+ \rightarrow K^* 0 K^* +$. <i>Physical Review D</i> , 2009 , 79,	4.9	5
148	B meson decays to charmless meson pairs containing \overline{B}^0 mesons. <i>Physical Review D</i> , 2009 , 80,	4.9	14
147	Measurement of $D^0 \overline{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^+ \pi^-$ and $K^+ K^-$. <i>Physical Review D</i> , 2009 , 80,	4.9	30
146	Search for B-meson decays to b_1^0 and $b_1 K^*$. <i>Physical Review D</i> , 2009 , 80,	4.9	6

145	Measurement of the branching fraction and ρ polarization in $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physical Review D</i> , 2009 , 79,	4.9	11
144	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow \text{cc} \bar{K}^{(*)} 0$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	84
143	Measurement of time dependent CP asymmetry parameters in B^0 meson decays to $\bar{K}S^0$, $\bar{K}K^0$, and $\bar{K}KS^0$. <i>Physical Review D</i> , 2009 , 79,	4.9	24
142	Exclusive initial-state-radiation production of the DD^* , D^*D^* , and D^*D^{*+} systems. <i>Physical Review D</i> , 2009 , 79,	4.9	75
141	Study of $D_s J$ decays to $D^* K$ in inclusive $e^+ e^-$ interactions. <i>Physical Review D</i> , 2009 , 80,	4.9	86
140	Measurement of CP violation observables and parameters for the decays $B^{\pm} \rightarrow DK^{*\mp}$. <i>Physical Review D</i> , 2009 , 80,	4.9	8
139	Observation of the bottomonium ground state in the decay $\text{Upsilon}(3S) \rightarrow \gamma \eta' b$. <i>Physical Review Letters</i> , 2008 , 101, 071801	7.4	132
138	Measurement of the branching fractions of the rare decays $B^0 \rightarrow D_s^{(*)} \pi^0$ and $B^0 \rightarrow D_s^{(*)} \eta$. <i>Physical Review D</i> , 2008 , 78,	4.9	10
137	Measurement of $D^0 \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K_S^0 \pi^0$, $K_S^0 K^0$, and $\pi^0 \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	36
136	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow KS^0 \pi^0$ decays. <i>Physical Review D</i> , 2008 , 78,	4.9	19
135	Study of $B \rightarrow X(3872) K$, with $X(3872) \rightarrow J/\psi \pi^0$. <i>Physical Review D</i> , 2008 , 77,	4.9	75
134	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , 2008 , 78,	4.9	23
133	Improved measurement of the CKM angle β in $B^{\pm} \rightarrow D^{(*)} K^{(*)}$ decays with a Dalitz plot analysis of D decays to $KS^0 \pi^0$ and $KS^0 K^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	63
132	Observation of $e^+ e^- \rightarrow \eta' \pi^0$ near $s=10.58$ GeV. <i>Physical Review D</i> , 2008 , 78,	4.9	10
131	Study of resonances in exclusive B decays to $D^{(*)} D^{(*)} K$. <i>Physical Review D</i> , 2008 , 77,	4.9	100
130	Time-dependent and time-integrated angular analysis of $B \rightarrow \bar{K}S^0 \pi^0$ and $\bar{K}^* \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	36
129	Measurements of branching fractions for $B^+ \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	9
128	Search for $B^0 \rightarrow K^* K^*$. <i>Physical Review D</i> , 2008 , 78,	4.9	4

127	Observation of $B^+ \rightarrow b1 + K^0$ and search for B-meson decays to $b10K^0$ and $b1\pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	10
126	Determination of the form factors for the decay $B^0 \rightarrow D^{*+} \pi^-$ and of the CKM matrix element $ V_{cb} $. <i>Physical Review D</i> , 2008 , 77,	4.9	43
125	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ decay, and implications for the CKM angle β . <i>Physical Review D</i> , 2008 , 78,	4.9	24
124	Study of B-meson decays to $\bar{B}K^*$, $\bar{B}(2S)K^*$, and $\bar{B}\bar{K}^*$. <i>Physical Review D</i> , 2008 , 78,	4.9	19
123	Search for the highly suppressed decays $B \rightarrow K + \pi$ and $B \rightarrow K \pi \pi$. <i>Physical Review D</i> , 2008 , 78,	4.9	12
122	Observation of $B^+ \rightarrow \pi^+ \pi^0$ and search for B^0 decays to $\pi^0 \pi^0$, $\pi^0 \pi^+$, and $\pi^0 \pi^-$. <i>Physical Review D</i> , 2008 , 78,	4.9	9
121	ATLAS pixel detector electronics and sensors. <i>Journal of Instrumentation</i> , 2008 , 3, P07007-P07007	1	389
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119	Measurement of the decay $B(-) \rightarrow D^{*0} e(-) \nu$. <i>Physical Review Letters</i> , 2008 , 100, 231803	7.4	15
118	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu$ and evidence for $B \rightarrow D \tau \nu$. <i>Physical Review Letters</i> , 2008 , 100, 021801	7.4	79
117	Study of excited charm-strange baryons with evidence for new baryons $\bar{\Lambda}(3055)^+$ and $\bar{\Lambda}(3123)^+$. <i>Physical Review D</i> , 2008 , 77,	4.9	61
116	Measurements of partial branching fractions for $B \rightarrow X \ell \nu$ and determination of $ V_{ub} $. <i>Physical Review Letters</i> , 2008 , 100, 171802	7.4	15
115	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$. <i>Physical Review Letters</i> , 2008 , 100, 061803	7.4	60
114	Observation of $B^+ \rightarrow a_1^+ (1260) K^0$ and $B^0 \rightarrow a_1^- (1260) K^+$. <i>Physical Review Letters</i> , 2008 , 100, 051803	7.4	15
113	Measurement of ratios of branching fractions and CP-violating asymmetries of $B^{\pm} \rightarrow D^{*} K^{\pm}$ decays. <i>Physical Review D</i> , 2008 , 78,	4.9	7
112	Evidence for CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , 2008 , 101, 021801	7.4	20
111	Measurement of the branching fractions of exclusive $B \rightarrow D^{*}(\pi) l \nu$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , 2008 , 100, 151802	7.4	20
110	Evidence for direct CP violation from Dalitz-plot analysis of $B^{\pm} \rightarrow K^{\pm} \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	58

109	Observation and polarization measurements of $B^+ \rightarrow \phi K^+ \pi^0$ and $B^+ \rightarrow \phi K^+ \pi^0$. <i>Physical Review Letters</i> , 2008 , 101, 161801	7.4	21
108	Searches for B meson decays to $\phi\phi$, $\phi\pi\pi$, $\phi\pi\pi(980)$, and $\phi(980)\pi(980)$ final states. <i>Physical Review Letters</i> , 2008 , 101, 201801	7.4	8
107	Observation of tree-level B decays with ss production from gluon radiation. <i>Physical Review Letters</i> , 2008 , 100, 171803	7.4	15
106	Observation of $B_s^0 \rightarrow K^0 K^0$ and Search for $B_s^0 \rightarrow K^0 K^0$. <i>Physical Review Letters</i> , 2008 , 100, 081801	7.4	21
105	Observation of J/ψ in $B \rightarrow J/\psi K$ at BABAR. <i>Physical Review Letters</i> , 2008 , 101, 082001	7.4	111
104	Measurements of $B \rightarrow \pi, \eta, \eta'$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , 2008 , 101, 081801	7.4	22
103	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell) \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , 2008 , 101, 261802	7.4	28
102	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , 2008 , 101, 091801	7.4	6
101	Study of $B^0 \rightarrow \pi^0 \pi^0$, $B^+ \rightarrow \pi^+ \pi^0$, and $B^+ \rightarrow K^+ \pi^0$ decays, and isospin analysis of $B \rightarrow \pi$ decays. <i>Physical Review D</i> , 2007 , 76,	4.9	42
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99	Inclusive π^+ production in e^+e^- annihilations at $\sqrt{s}=10.54$ GeV and in $\Upsilon(4S)$ decays. <i>Physical Review D</i> , 2007 , 75,	4.9	15
98	Search for prompt production of π and $X(3872)$ in e^+e^- annihilations. <i>Physical Review D</i> , 2007 , 76,	4.9	2
97	Search for the decay $B^+ \rightarrow K^0 \pi^+ K^0$. <i>Physical Review D</i> , 2007 , 76,	4.9	9
96	Measurement of the relative branching fractions of $B \rightarrow D/D^*/D^{**} \pi$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , 2007 , 76,	4.9	9
95	Search for neutral B-meson decays to $\pi^0 \pi^0 K$, π^0 , and π^0 . <i>Physical Review D</i> , 2007 , 75,	4.9	10
94	Search for $D^0 \bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , 2007 , 76,	4.9	28
93	Measurements of the branching fractions of $B^0 \rightarrow K^0 K^+ K^-$, $B^0 \rightarrow K^0 \pi^+ \pi^-$, and $B^0 \rightarrow K^0 \pi^0 \pi^0$. <i>Physical Review D</i> , 2007 , 76,	4.9	11
92	Search for $B^0 \rightarrow \pi^0 \pi^0$ decays with large $K^+ \pi^-$ invariant mass. <i>Physical Review D</i> , 2007 , 76,	4.9	13

91	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$ <i>Physical Review D</i> , 2007 , 76,	4.9	7
90	Branching fraction measurement of $B^0 \rightarrow D^{(*)+} \pi^-$ and $B^0 \rightarrow D^{(*)0} \pi^0$ and isospin analysis of $B^0 \rightarrow D^{(*)+} \pi^-$ decays. <i>Physical Review D</i> , 2007 , 75,	4.9	9
89	Measurement of B decays to η <i>Physical Review D</i> , 2007 , 75,	4.9	7
88	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to \bar{K}^L , \bar{K}^S , \bar{K}^* , \bar{K}^0 , \bar{K}^+ , and \bar{K}^- . <i>Physical Review D</i> , 2007 , 76,	4.9	14
87	Study of $B^0 \rightarrow \eta \pi^0$ decays and constraints on the CKM angle β . <i>Physical Review D</i> , 2007 , 76,	4.9	46
86	Amplitude analysis of the $B^+ \rightarrow \phi K^*(892)^+ \pi^-$ decay. <i>Physical Review Letters</i> , 2007 , 99, 201802	7.4	24
85	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$. <i>Physical Review Letters</i> , 2007 , 99, 221801	7.4	36
84	Improved limits on the lepton-flavor violating decays $\tau^+ \rightarrow l^+ \nu_l \bar{\nu}_\tau$. <i>Physical Review Letters</i> , 2007 , 99, 251803	7.4	36
83	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$. <i>Physical Review Letters</i> , 2007 , 99, 161802	7.4	32
82	Evidence for charged B meson decays to $a_1^+ \pi^- (1260) \pi^0$ and $a_1(0)(1260) \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2007 , 99, 261801	7.4	12
81	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow [K^+ \pi^-] D K^-$ <i>Physical Review D</i> , 2007 , 76,	4.9	4
80	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \pi^-$. <i>Physical Review Letters</i> , 2007 , 98,	7.4	4
79	Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$. <i>Physical Review Letters</i> , 2007 , 98, 051803	7.4	6
78	Improved measurement of CP violation in neutral B decays to $c\bar{c}$ <i>Physical Review Letters</i> , 2007 , 99, 171803	7.4	31
77	Search for the Decay $B^+ \rightarrow K^+ \tau^+ \mu^-$. <i>Physical Review Letters</i> , 2007 , 99, 201801	7.4	12
76	Evidence of a broad structure at an invariant mass of 4.32 GeV/c ² in the reaction $e^+ e^- \rightarrow \pi^+ \pi^- \psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , 2007 , 98, 212001	7.4	200
75	Measurement of the Time-Dependent CP Asymmetry in $B_{(s)}^0 \rightarrow D_{(s)}^{(*)-} \pi^+$ Decays. <i>Physical Review Letters</i> , 2007 , 99, 081801	7.4	8
74	Observation of CP violation in $B(0) \rightarrow K^+ \pi^-$ and $B(0) \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2007 , 99, 021603	7.4	54

73	Measurement of $\cos 2\beta$ in $B_s^0 \rightarrow D_s^{(*)} h^0$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_{S,0}^* \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2007 , 99, 231802	7.4	17
72	Measurement of CP violation parameters with a Dalitz plot analysis of $B_{\pm} \rightarrow D^0 \pi^+ \pi^- K^{\pm}$. <i>Physical Review Letters</i> , 2007 , 99, 251801	7.4	3 ¹
71	Vector-tensor and vector-vector decay amplitude analysis of $B^0 \rightarrow \phi K^0$. <i>Physical Review Letters</i> , 2007 , 98, 051801	7.4	4 ⁰
70	Evidence for D^0 - \bar{D}^0 mixing. <i>Physical Review Letters</i> , 2007 , 98, 211802	7.4	186
69	Production and decay of Ω_{cc}^0 . <i>Physical Review Letters</i> , 2007 , 99, 062001	7.4	21
68	Measurement of the $B^0 \rightarrow \pi^-(l^+ \nu)$ form-factor shape and branching fraction, and determination of $ V_{ub} $ with a loose neutrino reconstruction technique. <i>Physical Review Letters</i> , 2007 , 98, 091801	7.4	52
67	Evidence for $B(0) \rightarrow \rho(0) \rho(0)$ decays and implications for the Cabibbo-Kobayashi-Maskawa angle α . <i>Physical Review Letters</i> , 2007 , 98, 111801	7.4	11
66	Observation of $B \rightarrow \eta' K^*$ and evidence for $B^+ \rightarrow \eta' \rho^+$. <i>Physical Review Letters</i> , 2007 , 98, 051802	7.4	7
65	Branching fraction measurements of $B^+ \rightarrow \rho^+ \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$. <i>Physical Review Letters</i> , 2007 , 98, 151802	7.4	22
64	Measurement of CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{-}$. <i>Physical Review Letters</i> , 2007 , 99, 071801	7.4	19
63	Measurements of CP-violating asymmetries in $B^0 \rightarrow a_1^{+/-} (1260) \pi^{\mp}$ decays. <i>Physical Review Letters</i> , 2007 , 98, 181803	7.4	25
62	Observation of CP violation in $B \rightarrow \eta' K^0$ decays. <i>Physical Review Letters</i> , 2007 , 98, 031801	7.4	21
61	Observation of B Meson decays to $b_1 \pi$ and $b_1 K$. <i>Physical Review Letters</i> , 2007 , 99, 241803	7.4	15
60	Evidence for the $B^0 \rightarrow \rho^+ \rho^- K^0$ and $B^+ \rightarrow \rho^+ K^0$ decays and study of the decay dynamics of B meson decays into $\rho \pi$ final states. <i>Physical Review D</i> , 2007 , 76,	4.9	28
59	Observation of $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$. <i>Physical Review Letters</i> , 2006 , 97, 171805	7.4	52
58	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a K^* meson. <i>Physical Review Letters</i> , 2006 , 97, 201802	7.4	18
57	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , 2006 , 97, 201801	7.4	4 ¹
56	Measurement of the $B \rightarrow \pi l \nu$ branching fraction and determination of absolute value of V_{ub} with tagged B mesons. <i>Physical Review Letters</i> , 2006 , 97, 211801	7.4	3 ⁶

55	Observation of an excited charm baryon Omega c* decaying to Omega c0gamma. <i>Physical Review Letters</i> , 2006 , 97, 232001	7.4	86
54	Observation of $B(+) \rightarrow \phi \pi \pi K(+)$ and evidence for $B(0) \rightarrow \phi \pi \pi K(0)$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , 2006 , 97, 261803	7.4	4
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52	Measurements of branching fraction, polarization, and charge asymmetry of $B(+/-) \rightarrow \rho(+/-) \rho(0)$ and a search for $B(+/-) \rightarrow \rho(+/-) f(0)(980)$. <i>Physical Review Letters</i> , 2006 , 97, 261801	7.4	23
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49	Precise branching ratio measurements of the decays $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ relative to the $D^0 \rightarrow K^+ \pi^-$ decay. <i>Physical Review D</i> , 2006 , 74,	4.9	7
48	Branching fraction measurements of charged B decays to $K^* + K + K$ and $K^* + K + \pi$ and $K^* + \pi$ final states. <i>Physical Review D</i> , 2006 , 74,	4.9	10
47	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*-} s^0$. <i>Physical Review D</i> , 2006 , 74,	4.9	20
46	Measurement of the ratio $B(B^+ \rightarrow X e^+ \nu)/B(B^0 \rightarrow X e^+ \nu)$. <i>Physical Review D</i> , 2006 , 74,	4.9	8
45	Observation of the exclusive reaction $e^+ e^- \rightarrow \gamma^* \rightarrow \pi^+ \pi^-$ at $s=10.58$ GeV. <i>Physical Review D</i> , 2006 , 74,	4.9	8
44	Search for $B^+ \rightarrow X(3872) K^+$, $X(3872) \rightarrow J/\psi$. <i>Physical Review D</i> , 2006 , 74,	4.9	106
43	Observation of radiative $B \rightarrow \phi K \gamma$ decays. <i>Physical Review Letters</i> , 2004 , 92, 051801	7.4	10
42	Study of $B \rightarrow D^{*0} \pi^0$ and $D^{*0} \rightarrow D^{(*)+} \pi^-$ decays. <i>Physical Review D</i> , 2004 , 69,	4.9	204
41	Study of B meson decays to three-body charmless hadronic final states. <i>Physical Review D</i> , 2004 , 69,	4.9	52
40	Observation of the $D(sJ)(2317)$ and $D(sJ)(2457)$ in B decays. <i>Physical Review Letters</i> , 2003 , 91, 262002	7.4	197
39	Evidence for $B \rightarrow \phi \pi \pi K$. <i>Physical Review Letters</i> , 2003 , 91, 241802	7.4	14
38	Measurement of branching fractions and charge asymmetries for two-body B meson decays with charmonium. <i>Physical Review D</i> , 2003 , 67,	4.9	31

37	Measurement of branching fractions and polarization in $B \rightarrow \phi K^*$ decays. <i>Physical Review Letters</i> , 2003 , 91, 201801	7.4	96
36	Evidence for CP-violating asymmetries in $B_0 \rightarrow \pi^0 \pi^0$ decays and constraints on the CKM angle α . <i>Physical Review D</i> , 2003 , 68,	4.9	38
35	Measurement of the electroweak penguin process $B \rightarrow X(s) l^+ l^-$. <i>Physical Review Letters</i> , 2003 , 90, 021801	7.4	52
34	Measurement of branching fractions for $B \rightarrow \eta(c) K^*$ decays. <i>Physical Review Letters</i> , 2003 , 90, 071801	7.4	26
33	Measurement of branching fraction ratios and CP asymmetries in $B^{\pm} \rightarrow D^0 \rho^{\pm} K^{\mp}$. <i>Physical Review D</i> , 2003 , 68,	4.9	18
32	Observation of $B^0 \rightarrow \rho^0 \rho^0$ decays. <i>Physical Review Letters</i> , 2003 , 91, 221801	7.4	84
31	Observation of $B^0 \rightarrow p \Lambda (\pi^0)$. <i>Physical Review Letters</i> , 2003 , 90, 201802	7.4	56
30	Studies of the decay $B^{\pm} \rightarrow D^0 (CP) K^{\mp}$. <i>Physical Review Letters</i> , 2003 , 90, 131803	7.4	8
29	Improved measurement of the partial-rate CP asymmetry in $B^+ \rightarrow K^0 \pi^+$ and $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2003 , 68,	4.9	11
28	Observation of the decay $B \rightarrow K l^+ l^-$. <i>Physical Review Letters</i> , 2002 , 88, 021801	7.4	76
27	Observation of $B(0) \rightarrow D^0 \rho^0$. <i>Physical Review Letters</i> , 2002 , 89, 151802	7.4	81
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25	Observation of the $\eta(c)(2S)$ in Exclusive $B \rightarrow K K(S) K \pi^+$ Decays. <i>Physical Review Letters</i> , 2002 , 89, 102001	7.4	125
24	Study of CP-violating asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2002 , 89, 071801	7.4	17
23	Observation of $\chi(c2)$ production in B meson decay. <i>Physical Review Letters</i> , 2002 , 89, 011803	7.4	11
22	Production of prompt charmonia in $e^+ e^-$ annihilation at square root of s approximately equals 0.6 GeV. <i>Physical Review Letters</i> , 2002 , 88, 052001	7.4	62
21	Charmless hadronic two-body B meson decays. <i>Physical Review D</i> , 2002 , 66,	4.9	23
20	Search for charmless two-body baryonic decays of B mesons. <i>Physical Review D</i> , 2002 , 65,	4.9	27

19	Observation of the decay $B(0) \rightarrow D(+/-)D^{*}(-/+)$. <i>Physical Review Letters</i> , 2002 , 89, 122001	7.4	14
18	Observation of $B^+ \rightarrow \chi(c0)K^+$. <i>Physical Review Letters</i> , 2002 , 88, 031802	7.4	38
17	Measurement of the $B(0)$ - $B(0)$ mixing parameter $\Delta m(d)$ using semileptonic $B0$ decays. <i>Physical Review Letters</i> , 2002 , 89, 251803	7.4	12
16	Observation of mixing-induced CP violation in the neutral B meson system. <i>Physical Review D</i> , 2002 , 66,	4.9	43
15	Improved measurement of mixing-induced CP violation in the neutral B meson system. <i>Physical Review D</i> , 2002 , 66,	4.9	167
14	Precise measurement of B meson lifetimes with hadronic decay final states. <i>Physical Review Letters</i> , 2002 , 88, 171801	7.4	17
13	Study of exclusive B decays to charmed baryons. <i>Physical Review D</i> , 2002 , 66,	4.9	28
12	Observation of $B(+/-) \rightarrow p(-)pK(+/-)$. <i>Physical Review Letters</i> , 2002 , 88, 181803	7.4	93
11	Observation of $B^{+/-} \rightarrow \omega K^{+/-}$ decay. <i>Physical Review Letters</i> , 2002 , 89, 191801	7.4	9
10	Study of three-body charmless B decays. <i>Physical Review D</i> , 2002 , 65,	4.9	67
9	Observation of double $c\bar{c}$ production in e^+e^- annihilation at \sqrt{s} approximately 10.6 GeV. <i>Physical Review Letters</i> , 2002 , 89, 142001	7.4	238
8	Observation of the color-suppressed decay $B(0) \rightarrow D(0)\pi(0)$. <i>Physical Review Letters</i> , 2002 , 88, 052002	7.4	43
7	Measurement of branching fractions for $B \rightarrow \pi\pi$, $K\pi$, and KK decays. <i>Physical Review Letters</i> , 2001 , 87, 101801	7.4	65
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5	Measurement of the CP violation parameter $\sin^2 \phi(1)$ in $B(0)(d)$ meson decays. <i>Physical Review Letters</i> , 2001 , 86, 2509-14	7.4	90
4	Observation of $B \rightarrow J/\psi K(1)(1270)$. <i>Physical Review Letters</i> , 2001 , 87, 161601	7.4	25
3	Observation of large CP violation in the neutral B meson system. <i>Physical Review Letters</i> , 2001 , 87, 091802	7.4	418
2	Observation of Cabibbo suppressed $B \rightarrow D^{(*)}K^-$ decays at Belle. <i>Physical Review Letters</i> , 2001 , 87, 111801	7.4	23

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