

# Shahram Rahatlou

## List of Publications by Year in Descending Order

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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.

613  
papers

21,046  
citations

70  
h-index

111  
g-index

641  
ext. papers

23,542  
ext. citations

5.1  
avg, IF

2.54  
L-index

#	Paper	IF	Citations
613	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
612	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	1
611	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 153	4.2	0
610	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
609	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> , <b>2022</b> , 82, 290	4.2	0
608	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
607	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
606	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
605	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
604	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
603	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
602	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
601	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 970	4.2	3
600	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 200	4.2	5
599	Development and validation of HERWIG $\gamma$ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , <b>2021</b> , 81, 312	4.2	1
598	Characterization of SABRE crystal NaI-33 with direct underground counting. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	6
597	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> , <b>2021</b> , 81, 378	4.2	5

596	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> , <b>2021</b> , 81, 488	4.2	5
595	High sensitivity characterization of an ultrahigh purity NaI(Tl) crystal scintillator with the SABRE proof-of-principle detector. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	2
594	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> , <b>2021</b> , 2021, 1	5.4	3
593	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 13	4.2	7
592	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 3	4.2	5
591	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 629	4.2	4
590	Search for a heavy vector resonance decaying to a $\Upsilon$ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 688	4.2	0
589	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> , <b>2021</b> , 81, 723	4.2	3
588	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 852	4.2	0
587	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800	4.2	7
586	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017	1	23
585	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> , <b>2020</b> , 2020, 1	5.4	12
584	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> , <b>2020</b> , 2020, 1	5.4	8
583	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189	4.2	3
582	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , <b>2020</b> , 80, 534	4.2	6
581	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43	4.2	6
580	Evidence for ( $W^+W^-$ ) production from double-parton interactions in proton-proton collisions at ( $\sqrt{s} = 13$ , TeV). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
579	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> , <b>2020</b> , 80, 75	4.2	24

578	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> , <b>2020</b> , 80, 3	4.2	16
577	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4.2	61
576	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> , <b>2020</b> , 2020, 1	5.4	7
575	A multi-dimensional search for new heavy resonances decaying to boosted $\gamma$ , $W$ , or boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 237	4.2	10
574	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164	4.2	0
573	Measurement of differential cross sections and charge ratios for $s$ -channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 370	4.2	4
572	Measurement of $(\sigma_{\text{pp}}^{\text{hbox}} / \sigma_{\text{pp}}^{\text{hbox}})$ normalised multi-differential cross sections in $(\text{pp})$ collisions at $(\sqrt{s} = 13, \text{TeV})$ , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
571	A Deep Neural Network for Simultaneous Estimation of $b$ Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , <b>2020</b> , 4, 10	6	3
570	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027	1	11
569	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P05002-P05002	1	
568	Study of central exclusive production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718	4.2	2
567	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 $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 752	4.2	2
566	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 773	4.2	0
565	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305	4.2	2
564	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> , <b>2019</b> , 2019, 1	5.4	4
563	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421	4.2	153
562	Search for supersymmetry in events with a photon, jets, $\cancel{E}_T$ , and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444	4.2	1
561	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> , <b>2019</b> , 2019, 1	5.4	10

560	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> , <b>2019</b> , 79, 368	4.2	27
559	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> , <b>2019</b> , 79, 1	4.2	7
558	The SABRE project and the SABRE Proof-of-Principle. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	46
557	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> , <b>2019</b> , 79, 280	4.2	12
556	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> , <b>2019</b> , 79, 364	4.2	18
555	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> , <b>2019</b> , 79, 90	4.2	6
554	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123	4.2	4
553	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 94	4.2	7
552	Search for ( $\overline{\text{t}}\text{H}$ ) production in the ( $\text{H}\rightarrow\overline{\text{b}}\text{b}$ ) decay channel with leptonic ( $\overline{\text{t}}\text{}$ ) decays in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	17
551	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> , <b>2019</b> , 2019, 1	5.4	7
550	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20	4.2	4
549	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> , <b>2019</b> , 2019, 1	5.4	8
548	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> , <b>2019</b> , 79, 1	4.2	6
547	Measurement of exclusive $\gamma$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4.2	13
546	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
545	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564	4.2	20
544	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> , <b>2019</b> , 79, 313	4.2	13
543	Measurements of differential Z boson production cross sections in proton-proton collisions at ( $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	11

542	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969	4.2	1
541	Measurement of the differential Drell-Yan cross section in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	6
540	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> , <b>2019</b> , 79, 893	4.2	6
539	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886	4.2	6
538	Monte Carlo simulation of the SABRE PoP background. <i>Astroparticle Physics</i> , <b>2019</b> , 106, 1-9	2.4	17
537	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 242	4.2	4
536	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> , <b>2018</b> , 78, 291	4.2	17
535	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4.2	29
534	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 287	4.2	11
533	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}$ =13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
532	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> , <b>2018</b> , 2018, 1	5.4	40
531	Response of microchannel plates in ionization mode to single particles and electromagnetic showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 879, 6-12	1.2	7
530	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> , <b>2018</b> , 78, 140	4.2	20
529	Measurements of the ( $\text{p}\text{p}\rightarrow\text{Z}\text{Z}$ ) production cross section and the ( $\text{Z}\rightarrow 4\ell$ ) branching fraction, and constraints on anomalous triple gauge couplings at ( $\sqrt{s} = 13, \text{TeV}$ ) <b>2018</b> , 78, 1		3
528	Search for ( $\text{t}\overline{\text{t}}\text{H}$ ) production in the all-jet final state in proton-proton collisions at ( $\sqrt{s}$ =13) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
527	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> , <b>2018</b> , 2018, 1	5.4	7
526	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> , <b>2018</b> , 2018, 1	5.4	6
525	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 891	4.2	13



524	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> , <b>2018</b> , 2018, 1	5-4	37
523	Search for $Z\bar{\nu}$ resonances using leptonic and hadronic final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	11
522	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> , <b>2018</b> , 2018, 1	5-4	9
521	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 707	4-2	23
520	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 965	4-2	19
519	Studies of $\eta$ and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939	4-2	12
518	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $Z\bar{q}q$ final states at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
517	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697	4-2	9
516	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> , <b>2018</b> , 78, 789	4-2	19
515	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> , <b>2018</b> , 78, 1	4-2	4
514	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> , <b>2018</b> , 2018, 1	5-4	15
513	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> , <b>2018</b> , 2018, 1	5-4	8
512	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , <b>2018</b> , 78, 708	4-2	5
511	Search for dark matter produced in association with a Higgs boson decaying to $\bar{\nu}\nu$ at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
510	Search for a heavy resonance decaying into a Z boson and a vector boson in the $(\bar{\nu}_q\bar{\nu}_q)$ final state. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	6
509	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> , <b>2018</b> , 78, 701	4-2	25
508	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , <b>2018</b> , 78, 509	4-2	37
507	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tau$ leptons at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	23

506	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> , <b>2018</b> , 78, 1	4.2	12
505	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> , <b>2018</b> , 2018, 1	5.4	16
504	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> , <b>2018</b> , 2018, 1	5.4	10
503	Measurement of the inelastic proton-proton cross section at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	41
502	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> , <b>2018</b> , 2018, 1	5.4	63
501	Beam test results on the detection of single particles and electromagnetic showers with microchannel plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 845, 471-474	1.2	1
500	Measurements of the [Formula: see text] production cross section in lepton+jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , <b>2017</b> , 77, 15	4.2	19
499	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> , <b>2017</b> , 77, 172	4.2	22
498	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> , <b>2017</b> , 2017, 1	5.4	34
497	Search for electroweak production of charginos in final states with two leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
496	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> , <b>2017</b> , 77, 92	4.2	7
495	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> , <b>2017</b> , 77, 236	4.2	21
494	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> , <b>2017</b> , 77, 269	4.2	26
493	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> , <b>2017</b> , 77, 294	4.2	21
492	Search for new physics in the monophoton final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
491	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> , <b>2017</b> , 77, 459	4.2	16
490	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> , <b>2017</b> , 77, 467	4.2	14
489	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751	4.2	15



488	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ( $\sqrt{s}=8$ ) TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	10
487	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> , <b>2017</b> , 2017, 1	5-4	64
486	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> , <b>2017</b> , 2017, 1	5-4	17
485	Observation of $Y(1S)$ pair production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	29
484	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> , <b>2017</b> , 2017, 1	5-4	26
483	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	8
482	Measurement of the semileptonic ( $\overline{\mathrm{t}}\mathrm{t}$ ) + $\ell$ production cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
481	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> , <b>2017</b> , 77, 710	4-2	54
480	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> , <b>2017</b> , 2017, 1	5-4	11
479	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	19
478	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	9
477	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	15
476	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> , <b>2017</b> , 77, 252	4-2	58
475	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 327	4-2	17
474	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 354	4-2	8
473	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> , <b>2017</b> , 2017, 1	5-4	74
472	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> , <b>2017</b> , 2017, 1	5-4	19
471	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 845	4-2	22

470	Measurement of electroweak-induced production of $W\bar{W}$ with two jets in pp collisions at $(\sqrt{s}=8)$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	9
469	Searches for $W\bar{W}$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
468	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> , <b>2017</b> , 2017, 1	5-4	5
467	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> , <b>2017</b> , 2017, 1	5-4	18
466	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> , <b>2017</b> , 2017, 1	5-4	25
465	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	12
464	Measurement of the $(\overline{\text{t}}\text{t})$ 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> , <b>2017</b> , 2017, 1	5-4	14
463	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> , <b>2017</b> , 2017, 1	5-4	4
462	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> , <b>2017</b> , 77, 578	4-2	21
461	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> , <b>2017</b> , 2017, 1	5-4	3
460	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> , <b>2017</b> , 2017, 1	5-4	21
459	Measurements of jet charge with dijet events in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	10
458	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	10
457	Search for new physics with dijet angular distributions in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	11
456	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> , <b>2017</b> , 2017, 1	5-4	46
455	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> , <b>2017</b> , 2017, 1	5-4	35
454	Search for new phenomena with multiple charged leptons in proton-proton collisions at $(\sqrt{s}=13)$ (,text {TeV}). <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4-2	2
453	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> , <b>2017</b> , 77, 636	4-2	20

452	Search for high-mass $Z$ resonances in $e^+e^-$ and $t\bar{t}$ final states in proton-proton collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
451	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> , <b>2017</b> , 2017, 1	5.4	18
450	Search for CP violation in ( $\overline{t}$ ) production and decay in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
449	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> , <b>2017</b> , 77, 746	4.2	8
448	A fast timing calorimetric layer using micro-channel plates in ionisation mode. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C03019-C03019	1	
447	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> , <b>2017</b> , 2017, 1	5.4	77
446	Micro-channel plates in ionization mode as a fast timing device for future hadron colliders. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C08014-C08014	1	3
445	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> , <b>2017</b> , 2017, 1	5.4	16
444	Test beam results with a sampling calorimeter of cerium fluoride scintillating crystals and tungsten absorber plates for calorimetry at the HL-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 824, 681-683	1.2	1
443	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 325	4.2	13
442	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 439	4.2	34
441	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 536	4.2	6
440	Search for dark matter particles in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the razor variables. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	2
439	Search for s channel single top quark production in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
438	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 372	4.2	24
437	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	15
436	Measurement of the ( $\overline{t}$ ) production cross section in the $e\bar{t}$ channel in proton-proton collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	30
435	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> , <b>2016</b> , 2016, 1	5.4	16

434	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> , <b>2016</b> , 2016, 1	5-4	9
433	Evidence for exclusive $\Xi \rightarrow W + W$ production and constraints on anomalous quartic gauge couplings in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	27
432	Search for supersymmetry in pp collisions at ( $\sqrt{s}=13$ ) TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
431	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 460	4-2	14
430	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	9
429	Phenomenological MSSM interpretation of CMS searches in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	11
428	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
427	Measurement of the inclusive jet cross section in pp collisions at ( $\sqrt{s} = 2.76, \text{text \{TeV\}}$ ). <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4-2	17
426	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 379	4-2	20
425	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 469	4-2	37
424	Observation of top quark pairs produced in association with a vector boson in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	18
423	Search for $W \rightarrow tb$ in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
422	Correlations between jets and charged particles in PbPb and pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	21
421	Search for the production of an excited bottom quark decaying to $tW$ in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
420	Search for excited leptons in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	10
419	Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 128	4-2	21
418	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155	4-2	250
417	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 237	4-2	19

416	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	14
415	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
414	Search for heavy Majorana neutrinos in $e\bar{e}\mu\mu$ jets and $e\bar{e}\tau\tau$ jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	28
413	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau\tau$ leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	16
412	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 13	4-2	35
411	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
410	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	13
409	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 451	4-2	36
408	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2016</b> , 76, 401	4-2	38
407	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , <b>2016</b> , 76, 371	4-2	25
406	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO <sub>4</sub> crystals. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P04012-P04012	1	6
405	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	14
404	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an [Formula: see text] pair in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 317	4-2	9
403	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	4
402	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	21
401	Search for anomalous single top quark production in association with a photon in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	20
400	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	6
399	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	10



398	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , <b>2015</b> , 75, 251	4.2	55
397	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 66	4.2	21
396	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 147	4.2	50
395	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 151	4.2	33
394	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	19
393	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi$ and $B \rightarrow J/\psi$ and $(\mathcal{B}(\mathcal{B} \rightarrow \mathcal{C})^{\text{pm}}/\mathcal{B}(\mathcal{B} \rightarrow \mathcal{C})^{\text{mp}})/\mathcal{B}(\mathcal{B} \rightarrow \mathcal{C})^{\text{pm}}$ in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	13
392	Search for disappearing tracks in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	35
391	Study of Z production in PbPb and pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
390	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	69
389	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at ( $\sqrt{s}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
388	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 235	4.2	250
387	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 288	4.2	37
386	Performance of a tungsten-berium fluoride sampling calorimeter in high-energy electron beam tests. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 804, 79-83	1.2	3
385	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 237	4.2	48
384	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 302	4.2	4
383	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 325	4.2	24
382	Response of microchannel plates to single particles and to electromagnetic showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 797, 216-221	1.2	20
381	Beam test results for a tungsten-cerium fluoride sampling calorimeter with wavelength-shifting fiber readout. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P07002-P07002	1	4



380	High-energy electron test results of a calorimeter prototype based on CeF3 for HL-LHC applications <b>2015</b> ,		1
379	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	22
378	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	19
377	Searches for supersymmetry using the $M_{T2}$ variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	26
376	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	33
375	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	17
374	Search for a charged Higgs boson in pp collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	61
373	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	11
372	Search for a light charged Higgs boson decaying to ( $\overline{\text{c}}\text{s}$ ) in pp collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-37	5-4	33
371	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	16
370	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	
369	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	73
368	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 212	4.2	399
367	Measurement of the $Z\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	7
366	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , <b>2015</b> , 75, 186	4.2	41
365	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 542	4.2	98
364	Measurements of the [Formula: see text][Formula: see text] production cross sections in the [Formula: see text] channel in proton-proton collisions at [Formula: see text] and [Formula: see text] and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , <b>2015</b> , 75, 511	4.2	25
363	Comparison of the $Z/\gamma + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	5

362	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	18
361	Measurement of the ( $\overline{t}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	43
360	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ( $\sqrt{\{s_{NN}\}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	60
359	Search for new physics in events with same-sign dileptons and jets in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	38
358	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ( $\sqrt{s_{\mathrm{NN}}} = 5.02$ ) (,text {TeV}). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4-2	67
357	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973	4-2	16
356	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980	4-2	131
355	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3014	4-2	11
354	Study of double parton scattering using W + 2-jet events in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	61
353	Event activity dependence of ( $\Upsilon$ )(nS) production in ( $\sqrt{\{s_{NN}\}}$ ) = 5.02 TeV pPb and ( $\sqrt{s}$ ) = 2.76 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	42
352	. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	18
351	Evidence for the 125 GeV Higgs boson decaying to a pair of $\Upsilon$ leptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	101
350	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	23
349	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	15
348	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	81
347	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	48
346	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	21
345	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	3

344	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	74
343	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	59
342	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2758	4-2	21
341	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2847	4-2	71
340	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2901	4-2	13
339	The Physics of the B Factories. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4-2	233
338	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3149	4-2	149
337	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3060	4-2	29
336	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3129	4-2	29
335	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	70
334	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s}) = 8$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4-2	37
333	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3036	4-2	183
332	Measurement of prompt J/ψ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	41
331	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3076	4-2	239
330	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	45
329	Study of hadronic event-shape variables in multijet final states in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	3
328	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	15
327	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	32

326	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	144
325	Measurement of the $(\overline{t})$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV <b>2014</b> , 2014, 1		3
324	Search for the associated production of the Higgs boson with a top-quark pair <b>2014</b> , 2014, 1		6
323	Search for microscopic black holes in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	38
322	Measurement of the $(\Lambda_{\mathrm{b}}^0)$ lifetime in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
321	Searches for long-lived charged particles in pp collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	96
320	Study of exclusive two-photon production of $W+W$ in pp collisions at $(\sqrt{s}=7)$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	56
319	Observation of a new boson with mass near 125 GeV in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	261
318	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	35
317	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	39
316	Measurement of the $(\overline{t})$ production cross section in the all-jet final state in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
315	Measurement of the X(3872) production cross section via decays to $J/\psi \gamma$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
314	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	39
313	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	15
312	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	33
311	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	30
310	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	16
309	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2404	4-2	15

308	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2469	4.2	49
307	Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}}\text{t})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
306	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2568	4.2	82
305	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
304	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2494	4.2	37
303	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2493	4.2	10
302	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $\text{t}\bar{\text{t}}\text{jj}$ channel in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	21
301	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2674	4.2	24
300	Search for top-squark pair production in the single-lepton final state in pp collisions at $(\sqrt{s}=8)$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	162
299	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
298	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	26
297	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $(\sqrt{s} = 7)$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	50
296	Measurement of the $W+W\bar{L}$ cross section in pp collisions at $(\sqrt{s} = 7)$ TeV and limits on anomalous $WW\bar{L}$ and $WWZ$ couplings. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	56
295	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	37
294	Measurement of the ZZ production cross section and search for anomalous couplings in $2\text{ZZ}$ final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39
293	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\text{B}$ b-quark jets in 7 TeV pp collisions using the variable $\text{E}_T$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	29
292	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
291	The BaBar detector: Upgrades, operation and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 729, 615-701	1.2	125

290	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2283	4.2	45
289	Measurement of differential top-quark-pair production cross sections in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	102
288	The CMS ECAL Barrel HV system. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C02039-C02039	1	
287	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ( $\sqrt{s}=8$ ) TeV <b>2013</b> , 2013, 1		2
286	Study of high-p T charged particle suppression in PbPb compared to pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	316
285	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ( $\sqrt{s_{\text{NN}}}= 2.76 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	158
284	Jet production rates in association with W and Z bosons in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
283	Exclusive $\bar{b} \rightarrow \bar{c} \mu \mu$ production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45
282	Measurement of the production cross section for pairs of isolated photons in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	20
281	Inclusive b-jet production in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	30
280	Search for quark compositeness in dijet angular distributions from pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
279	Suppression of non-prompt $J/\psi$ and ( $\Upsilon$ ) (1S) in PbPb collisions at ( $\sqrt{s_{\text{NN}}}= 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	184
278	Search for heavy bottom-like quarks in 4.9 fb of pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	44
277	Measurement of the cross section for production of ( $\bar{b} X$ ) decaying to muons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3
276	Measurement of the $Z/\gamma + b$ -jet cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
275	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	27
274	Search for anomalous production of multilepton events in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	65
273	Search for a light charged Higgs boson in top quark decays in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	101



272	Search for leptonic decays of $W^\pm$ bosons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
271	Search for stopped long-lived particles produced in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	17
270	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	24
269	Measurement of the underlying event activity in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	11
268	Search for anomalous ( $\overline{t}$ ) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	57
267	Search for dark matter and large extra dimensions in monojet events in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	155
266	Search for a fermiophobic Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13
265	Search for supersymmetry in hadronic final states using M T2 in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	92
264	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	73
263	Measurement of the ( $\overline{t}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	64
262	Search for exclusive or semi-exclusive $\overline{t}$ production and observation of exclusive and semi-exclusive $e+e\overline{t}$ production in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
261	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	6
260	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	41
259	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	10
258	Search for resonant ( $\overline{t}$ ) production in lepton+jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	25
257	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
256	Measurement of the single-top-quark t-channel cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	70
255	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	12

254	Measurement of the top-quark mass in ( $\overline{\text{t}}\text{t}$ ) events with lepton+jets final states in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	30
253	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	30
252	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ( $\sqrt{s} = 0.9, 2.76, 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	133
251	A search for a doubly-charged Higgs boson in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	111
250	Measurement of the top-quark mass in ( $\overline{\text{t}}\text{t}$ ) events with dilepton final states in pp collisions at ( $\sqrt{s}=7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	36
249	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	17
248	Measurement of the relative prompt production rate of $\text{t}$ and $\overline{\text{t}}$ in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251	4.2	46
247	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
246	$J/\psi$ and $\psi(2S)$ production in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	69
245	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu 2\tau$ channel in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
244	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\mu$ decay channel in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
243	Search for ( $B_s^0 \rightarrow \mu^+ \mu^-$ ) and $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
242	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q(\overline{q})\mu\mu$ in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	21
241	Search for microscopic black holes in pp collisions at ( $\sqrt{s} = 7\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
240	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
239	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
238	Determining Higgs couplings with a model-independent analysis of $h \rightarrow \mu\mu$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	54
237	Prompt and non-prompt $J/\psi$ production in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	118

236	Measurement of the ( $\bar{t}t$ ) production cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	35
235	Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9$ ), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	89
234	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104
233	Search for heavy stable charged particles in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	34
232	Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
231	Measurement of ( $\overline{B}B$ ) angular correlations based on secondary vertex reconstruction at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	27
230	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	38
229	Measurement of Bose-Einstein correlations in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
228	Strange particle production in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	78
227	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
226	Search for resonances in the dilepton mass distribution in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	32
225	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	26
224	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	46
223	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	10
222	Measurement of the ( $t\bar{t}$ ) production cross section and the top quark mass in the dilepton channel in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	48
221	Long-range and short-range dihadron angular correlations in central PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	56
220	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12
219	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	28

218	Search for same-sign top-quark pair production at ( $\sqrt{s} = 7$ ) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	39
217	Charged particle transverse momentum spectra in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	44
216	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	17
215	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	87
214	Search for new physics with jets and missing transverse momentum in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	46
213	Search for supersymmetry in pp collisions at ( $\sqrt{s} = 7$ ) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
212	Measurement of the underlying event activity at the LHC with ( $\sqrt{s} = 7$ ) TeV and comparison with ( $\sqrt{s} = 0.9$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	70
211	Measurement of the Drell-Yan cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
210	Measurement of the inclusive W and Z production cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	121
209	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	19
208	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV <b>2011</b> , 2011, 1		5
207	Radiation hardness qualification of PbWO <sub>4</sub> scintillation crystals for the CMS Electromagnetic Calorimeter. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P03010-P03010	1	10
206	First measurement of the underlying event activity at the LHC with ( $\sqrt{s} = 0.9$ ) TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572	4.2	36
205	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1165-1192	4.2	99
204	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at ( $\sqrt{s} = 0.9$ ) and 2.36 TeV. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	201
203	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	389
202	The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c. <i>European Physical Journal C</i> , <b>2009</b> , 60, 359-373	4.2	21
201	Constraints on the CKM angle $\phi_1$ in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 K^*$ from a Dalitz analysis of $D^0$ and $D^0$ decays to $KS^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10

200	Time-dependent Dalitz plot analysis of $B_0 \rightarrow D^* K_0^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	7
199	Dalitz plot analysis of the decay $B_0(B^0) \rightarrow K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
198	Measurement of $D^0 \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^0 \pi^0$ , $K^0 \pi^+$ , and $\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
197	Search for $B^+ \rightarrow \pi^0 \pi^+$ decays with hadronic B tags. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	62
196	Search for the rare charmless hadronic decay $B^+ \rightarrow a_0^+ \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	5
195	Measurement of the CP-violating asymmetries in $B_0 \rightarrow K_s^0 \pi^0$ and of the branching fraction $B_0 \rightarrow K_0^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	9
194	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	23
193	Study of $B^+ \rightarrow \pi^0 \pi^+$ and $B^+ \rightarrow \pi^+ \pi^0$ decays at BABAR. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	32
192	Measurement of the $B \rightarrow X_s \gamma$ branching fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	55
191	Study of resonances in exclusive B decays to $D^0(*) D^0(*) K$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	100
190	Searches for the decays $B_0 \rightarrow \rho^0 \pi^0$ and $B^+ \rightarrow \rho^+ \pi^0$ using hadronic tag reconstruction. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	20
189	Measurement of the $B \rightarrow \pi^0 \pi^0$ branching fraction and a search for a second-class current in the $B \rightarrow \rho(958) \pi^0$ decay. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	24
188	Search for the decays $B_0 \rightarrow e^+ e^- \pi^0$ and $B_0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	4
187	Determination of the form factors for the decay $B_0 \rightarrow D^* \pi^0$ and of the CKM matrix element $ V_{cb} $ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	43
186	Measurements of $e^+ e^- \rightarrow K^+ K^- K^0 K^0$ , and $K_s^0 K^0 \pi^0$ cross sections using initial state radiation events. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	127
185	Search for decays of $B_0$ mesons into $e^+ e^- \pi^0 \pi^0$ and $e^+ e^- \pi^0$ final states. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	14
184	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi \pi^0 \nu$ tau, and into $\phi K^0 \nu$ tau. <i>Physical Review Letters</i> , <b>2008</b> , 100, 011801	7.4	55
183	Measurement of the decay $B^0 \rightarrow D^0 e^+ \nu_e$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 231803	7.4	15

182	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu$ and evidence for $B \rightarrow D \tau \nu$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 021801	7.4	79
181	Study of excited charm-strange baryons with evidence for new baryons $\Lambda_c(3055)^+$ and $\Lambda_c(3123)^+$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	61
180	Measurements of partial branching fractions for $B \rightarrow X \ell \nu$ and determination of $ V_{ub} $ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 171802	7.4	15
179	Measurement of the absolute branching fraction of $D^0 \rightarrow K \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051802	7.4	8
178	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 061803	7.4	60
177	Observation of $B^+ \rightarrow a_1^+(1260) K^0$ and $B^0 \rightarrow a_1^-(1260) K^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051803	7.4	15
176	Measurement of the spin of the $\Upsilon(1530)$ resonance. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	13
175	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)}(\pi) \ell \nu$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 151802	7.4	20
174	Observation of tree-level B decays with ss production from gluon radiation. <i>Physical Review Letters</i> , <b>2008</b> , 100, 171803	7.4	15
173	Measurement of the CP asymmetry in $b \rightarrow s \gamma$ using a sum of exclusive final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 171804	7.4	9
172	Observation of $B_s^0 \rightarrow K_s^0 K^0$ and Search for $B_s^0 \rightarrow K_s^0 K^0$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 081801	7.4	21
171	Observation of $Y(3940) \rightarrow J/\psi \omega$ in $B \rightarrow J/\psi \omega K$ at BABAR. <i>Physical Review Letters</i> , <b>2008</b> , 101, 082001	7.4	111
170	Search for CPT and lorentz violation in $B^0 - \bar{B}^0$ oscillations with dilepton events. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131802	7.4	45
169	Search for lepton flavor violating decays $\tau^+ \rightarrow \ell^+ \omega$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 071802	7.4	15
168	Study of B meson decays with excited eta and eta mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 091801	7.4	6
167	Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$ , $\Upsilon(2S) K^*$ , and $\Upsilon(1K^*$ with an angular analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	33
166	Observation of $B^+ \rightarrow \eta K^0$ and measurement of its branching fraction and charge asymmetry. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	7
165	Study of $B^0 \rightarrow \eta \eta$ , $B^0 \rightarrow \eta \eta'$ , and $B^0 \rightarrow K \eta$ decays, and isospin analysis of $B \rightarrow \eta$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42



164	Study of the exclusive initial-state-radiation production of the $DD^*$ system. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	73
163	Inclusive $B^+$ production in $e^+e^-$ annihilations at $s=10.54$ GeV and in $\Upsilon(4S)$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	15
162	Measurement of the $B \rightarrow K^0$ branching fraction. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
161	Search for prompt production of $B^+$ and $X(3872)$ in $e^+e^-$ annihilations. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	2
160	Search for the decay $B^+ \rightarrow K^*0(892)K^+$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
159	Measurement of the relative branching fractions of $B^+ \rightarrow D/D^*/D^{**}K^+$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
158	Search for neutral B-meson decays to $a_0 \rightarrow a_0K, \eta$ , and $\eta'$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10
157	Measurement of CP asymmetry in $B^0 \rightarrow K_S^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	10
156	Search for $D^0D^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
155	Search for the reactions $e^+e^- \rightarrow B^+B^-$ and $e^+e^- \rightarrow e^+B^-$ <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	8
154	Measurements of the branching fractions of $B^0 \rightarrow K^*0K^+K^-$ , $B^0 \rightarrow K^*0\pi^+K^-$ , $B^0 \rightarrow K^*0K^+K^-$ and $B^0 \rightarrow K^*0\pi^+K^-$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
153	Search for $B^0 \rightarrow \eta(K^+K^-)$ decays with large $K^+K^-$ invariant mass. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
152	$e^+e^- \rightarrow K^+K^-\pi^+\pi^-$ and $K^+K^-\pi^+\pi^-$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	86
151	Measurement of the $B^+ \rightarrow \pi^0$ branching fraction and direct CP asymmetry. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	11
150	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^*+D^-\pi^0$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	7
149	Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	5
148	Branching fraction measurement of $B^0 \rightarrow D^{(*)+}\pi^-$ and $B^+ \rightarrow D^{(*)0}\pi^+$ and isospin analysis of $B^+ \rightarrow D^{(*)+}\pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
147	Improved measurements of the branching fractions for $B^0 \rightarrow \pi^+\pi^-$ and $B^0 \rightarrow K^+\pi^-$ and a search for $B^0 \rightarrow K^+K^-\pi^0$ <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	33

146	Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
145	Study of inclusive $B^{\pm}$ and $B^0$ decays to flavor-tagged $D$ , $D_s$ , and $\bar{D}^+$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
144	Measurement of $B$ decays to $\eta' K^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
143	Study of $e^+e^- \rightarrow \eta, \eta', \eta''$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	81
142	Branching fraction and CP-violation charge asymmetry measurements for $B$ -meson decays to $\bar{K}^0, \bar{K}^+, \eta, \eta', \eta''$ , and $\eta'$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	14
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140	High voltage system for the CMS electromagnetic calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 582, 462-468	1.2	8
139	Study of $B^0 \rightarrow \eta'$ decays and constraints on the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	46
138	Amplitude analysis of the $B^+ \rightarrow \phi K^*(892)^+ \pi^-$ decay. <i>Physical Review Letters</i> , <b>2007</b> , 99, 201802	7.4	24
137	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 221801	7.4	36
136	Improved limits on the lepton-flavor violating decays $\tau \rightarrow l^+ l^- l^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251803	7.4	36
135	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 161802	7.4	32
134	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> , <b>2007</b> , 99, 261801	7.4	12
133	Measurement of CP-violating asymmetries in $B^0 \rightarrow \eta'$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
132	Measurements of $\bar{D}^+$ branching fractions of Cabibbo-suppressed decay modes involving $\eta$ and $\eta'$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
131	Search for $b \rightarrow u$ transitions in $B \rightarrow [K^+ \eta'] DK^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	4
130	Search for $B^+ \rightarrow \eta' \pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	39
129	Observation of a Charmed Baryon Decaying to $D; \{0\} p$ at a Mass Near $2.94 \text{ GeV}/c; \{2\}$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 012001	7.4	97

128	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \pi^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98,	7.4	4
127	Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051803	7.4	6
126	Improved measurement of CP violation in neutral B decays to $c\bar{c}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 171803	7.4	31
125	Search for the Decay $B^+ \rightarrow K^+ \tau^+ \nu_{\tau}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 201801	7.4	12
124	Amplitude analysis of the decay $D^0 \rightarrow K^+ K^- \pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	24
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121	Measurement of the Time-Dependent CP Asymmetry in $B^0 \rightarrow D_{CP}^{(*)} h^0$ Decays. <i>Physical Review Letters</i> , <b>2007</b> , 99, 081801	7.4	8
120	Observation of CP violation in $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 021603	7.4	54
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118	Search for lepton flavor violating decays $\tau^+ \rightarrow l^+ \pi^0$ , $\tau^+ \rightarrow l^+ \eta$ , $\tau^+ \rightarrow l^+ \eta'$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061803	7.4	33
117	Search for the rare decay $B^+ \rightarrow \pi^+ l^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 051801	7.4	17
116	Measurement of $\cos 2\beta$ in $B^0 \rightarrow D^{(*)} h^0$ decays with a time-dependent Dalitz plot analysis of $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 231802	7.4	17
115	Measurement of CP violation parameters with a Dalitz plot analysis of $B^+ \rightarrow D^0 \pi^+ \pi^- K^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251801	7.4	31
114	Vector-tensor and vector-vector decay amplitude analysis of $B^0 \rightarrow \phi K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051801	7.4	40
113	Measurement of branching fractions and mass spectra of $B^+ \rightarrow K^+ \pi^0 \gamma$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 211804	7.4	7
112	Evidence for $D^0$ - $\bar{D}^0$ mixing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 211802	7.4	186
111	Production and decay of $\Omega_c^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 062001	7.4	21

110	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> , <b>2007</b> , 98, 091801	7.4	52
109	Evidence for $B(0) \rightarrow \rho(0)\rho(0)$ decays and implications for the Cabibbo-Kobayashi-Maskawa angle $\alpha$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 111801	7.4	11
108	Observation of $B \rightarrow \eta K^*$ and evidence for $B \rightarrow \eta K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051802	7.4	7
107	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> , <b>2007</b> , 98, 151802	7.4	22
106	Measurement of CP-violating asymmetries in $B_0 \rightarrow D^{*+} D^{-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 071801	7.4	19
105	Measurements of CP-violating asymmetries in $B_0 \rightarrow a_1^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 181803	7.4	25
104	Observation of CP violation in $B \rightarrow \eta K^0$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 031801	7.4	21
103	Observation of B Meson decays to $b_1 \pi$ and $b_1 K$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 241803	7.4	15
102	Evidence for the $B_0 \rightarrow \rho^0 K^0$ and $B \rightarrow \rho^0 K^+$ decays and study of the decay dynamics of B meson decays into $\rho \pi$ final states. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
101	Measurement of the hadronic form factor in $D_0 \rightarrow K^0 B$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
100	Measurement of branching fractions and resonance contributions for $B_0 \rightarrow D^0 K^+ \pi^-$ and search for $B_0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011803	7.4	13
99	Measurement of the spin of the $\omega$ hyperon. <i>Physical Review Letters</i> , <b>2006</b> , 97, 112001	7.4	17
98	Observation of $e^+e^-$ annihilation into the $C = +1$ hadronic final states $\rho(0)\rho(0)$ and $\phi\rho(0)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 112002	7.4	8
97	Observation of $B \rightarrow K^0 K^+$ and $B_0 \rightarrow K^0 K^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171805	7.4	52
96	Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic end point and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	40
95	Measurements of the absolute branching fractions of $B^{\pm} \rightarrow K^{\pm} X(cc)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 052002	7.4	60
94	Structure at 2175 MeV in $e^+e^- \rightarrow f_0(980)$ observed via initial-state radiation. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	102
93	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a $K^*$ meson. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201802	7.4	18

92	Measurements of neutral B decay branching fractions to $K_S^0$ final states and the charge asymmetry of $B^0 \rightarrow K^{*+} \pi^-$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	26
91	Measurement of the $B^0$ lifetime and the $B^0$ oscillation frequency using partially reconstructed $B^0 \rightarrow D^{*+} \pi^-$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	14
90	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> , <b>2006</b> , 97, 201801	7.4	41
89	Observation of Upsilon(4S) decays to $\pi^+ \pi^- \text{Upsilon}(1S)$ and $\pi^+ \pi^- \text{Upsilon}(2S)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 232001	7.4	39
88	Study of $e^+ e^- \rightarrow p \bar{p}$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	180
87	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> , <b>2006</b> , 97, 211801	7.4	36
86	Observation of an excited charm baryon $\Omega_c^*$ decaying to $\Omega_c \gamma$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 232001	7.4	86
85	Observation of $B^+ \rightarrow \phi \pi^+ K^+$ and evidence for $B^0 \rightarrow \phi \pi^0 K^0$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , <b>2006</b> , 97, 261803	7.4	4
84	Search for $D^0$ - $\bar{D}^0$ mixing and branching-ratio measurement in the decay $D^0 \rightarrow K^+ \pi^- \pi^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 221803	7.4	17
83	Search for lepton flavor violation in the decay $\tau^+ \rightarrow e^+ \gamma$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 041801	7.4	91
82	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> , <b>2006</b> , 97, 261801	7.4	23
81	Dalitz plot analysis of the decay $B^0 \rightarrow K^+ K^- K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	52
80	Measurement of the $\Lambda$ and $\Sigma$ transition form factors at $q^2=112 \text{ GeV}^2$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	59
79	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \pi$ and $B \rightarrow K^* \rho$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	119
78	Measurement of the absolute branching fractions $B \rightarrow D^* \pi$ with a missing mass method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
77	Measurement of the branching fraction and photon energy moments of $B \rightarrow X_s \gamma$ and $A(\text{CP})(B \rightarrow X(s+d) \gamma)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171803	7.4	52
76	Observation of a new $D_s$ meson decaying to $DK$ at a mass of $2.86 \text{ GeV}/c^2$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 222001	7.4	117
75	Determinations of $\text{BR}(B \rightarrow X^* \gamma)$ from inclusive semileptonic decays with reduced model dependence. <i>Physical Review Letters</i> , <b>2006</b> , 96, 221801	7.4	20

74	Search for the rare decay $B_0 \rightarrow \tau^+ \tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2006</b> , 96, 241802	7.4	27
73	Observation of $B_0$ meson decay to a $1^-(1260)\pi^+/\pi^-$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 051802	7.4	39
72	Search for T, CP, and CPT violation in $B_0$ - $\bar{B}_0$ mixing with inclusive dilepton events. <i>Physical Review Letters</i> , <b>2006</b> , 96, 251802	7.4	65
71	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)}D_s^{(*)}$ , and implications for the Cabibbo-Kobayashi-Maskawa angle $\alpha$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	20
70	Study of the decay $B \rightarrow D^* \pi$ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
69	Search for the decay $B_0 \rightarrow K_S^0 K_S^0 K_L^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
68	Measurement of the $D^+ \rightarrow \pi^0$ and $D^+ \rightarrow K^0$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
67	Measurement of the $B \rightarrow D^0 K^* \pi$ branching fraction. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	6
66	Precise branching ratio measurements of the decays $D_0 \rightarrow \pi^0$ and $D_0 \rightarrow K^0 \pi^0$ relative to the $D_0 \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	7
65	Branching fraction measurements of charged B decays to $K^* + K + K \pi$ , $K^* + K \pi$ , $K^* + K + \pi$ and $K^* + \pi$ final states. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
64	Searches for $B_0$ decays to $K_S^0$ , $\pi^0 \pi^0$ , $\pi^0$ , and $\pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
63	Study of the X(3872) and Y(4260) in $B_0 \rightarrow J/\psi K_S^0$ and $B \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	76
62	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B_0 \rightarrow D^* \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
61	The $e^+e^- \rightarrow 3(\pi^0)$ , $2(\pi^0)$ and $K^+K^0(\pi^0)$ cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	107
60	Measurements of the branching fraction and time-dependent CP asymmetries of $B_0 \rightarrow J/\psi \pi$ decays. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
59	Search for rare quark-annihilation decays, $B \rightarrow D_s^{(*)} \pi$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	7
58	Study of the $D_s J^*(2317)^+$ and $D_s J(2460)^+$ mesons in inclusive $cc\bar{c}$ production near $\sqrt{s}=10.6$ GeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	35
57	Search for the rare decays $B_0 \rightarrow D_s^{(*)} a_0(2)$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	5



56	Search for the decay of a B <sup>0</sup> or B <sup>±</sup> meson to K <sup>*</sup> 0K <sup>0</sup> or K <sup>*</sup> 0K <sup>±</sup> . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	7
55	Measurements of CP-violating asymmetries and branching fractions in B decays to K <sup>±</sup> and π <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
54	Branching fraction limits for B <sup>0</sup> decays to π <sup>±</sup> π <sup>0</sup> and π <sup>0</sup> . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
53	Measurement of B <sup>±</sup> →D <sup>(*)</sup> 0K <sup>±</sup> (*)0 branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	15
52	Measurement of the ratio B(B <sup>±</sup> →Xe <sup>±</sup> )/B(B <sup>0</sup> →Xe <sup>±</sup> ) <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
51	Measurement of branching fractions in radiative B decays to K <sup>±</sup> and search for B decays to π <sup>±</sup> K <sup>±</sup> <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
50	Search for doubly charmed baryons Ξ <sup>c+</sup> and Ξ <sup>c++</sup> in BABAR. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	116
49	Measurement of time-dependent CP asymmetries in B <sup>0</sup> →D <sup>(*)</sup> π <sup>±</sup> and B <sup>0</sup> →Dπ <sup>±</sup> decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	18
48	Measurements of the B→D <sup>*</sup> form factors using the decay B <sup>±</sup> →D <sup>*</sup> +e <sup>∓</sup> . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
47	Search for B <sup>±</sup> →π <sup>±</sup> and B <sup>0</sup> →π <sup>0</sup> decays. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	14
46	Measurements of the decays B <sup>0</sup> →D <sup>±</sup> pp <sup>±</sup> , B <sup>0</sup> →D <sup>±</sup> *0pp <sup>±</sup> , B <sup>0</sup> →D <sup>±</sup> pp <sup>±</sup> , and B <sup>0</sup> →D <sup>±</sup> *pp <sup>±</sup> . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	27
45	Study of B→D <sup>(*)</sup> Ds(J <sup>(*)</sup> ) decays and measurement of Ds <sup>±</sup> and Ds <sub>J</sub> (2460) <sup>±</sup> branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	29
44	Search for the decay B <sup>±</sup> →π <sup>±</sup> <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
43	Observation of the exclusive reaction e <sup>+</sup> e <sup>-</sup> →π <sup>±</sup> at s=10.58 GeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
42	Search for B meson decays to π <sup>±</sup> K. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
41	Search for B <sup>±</sup> →X(3872)K <sup>±</sup> , X(3872)→J/ψ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	106
40	Search for the charmed pentaquark candidate Ξ <sup>c</sup> (3100) <sup>0</sup> in e <sup>+</sup> e <sup>-</sup> annihilations at s=10.58 GeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	10
39	Search for the decay B <sup>0</sup> →a <sub>1</sub> π <sup>±</sup> <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12

38	Measurement of CP observables for the decays $B_{\mu} \rightarrow DCP0K_{\mu}$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
37	Search for the decay $B \rightarrow 3\pi\pi 2\pi\pi$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	4
36	B meson decays to $K^*$ , $\rho\rho$ , and $\rho 0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	14
35	Reconstruction of the signal amplitude of the CMS electromagnetic calorimeter. <i>European Physical Journal C</i> , <b>2006</b> , 46, 23-35	4.2	27
34	Search for the rare decay $B_{\mu 0} \rightarrow D^* 0\pi$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	1
33	Amplitude analysis of the decay $B_{\mu} \rightarrow \pi\pi\pi$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
32	Search for the rare decays $B^{+} \rightarrow D^{(*)} + K_S 0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	5
31	Dalitz plot analysis of $D 0 \rightarrow K\pi 0 K + K\pi$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	18
30	Measurement of the $B^{+} \rightarrow \rho\rho K^{+}$ branching fraction and study of the decay dynamics. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	65
29	Study of $B \rightarrow \pi\pi$ and $B \rightarrow \pi\rho$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	27
28	Measurement of the time-dependent CP-violating asymmetry in $B 0 \rightarrow K_S 0\pi\pi$ decays. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	22
27	Measurement of CP observables for the decays $B_{\mu} \rightarrow DCP0K^{*\mu}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	12
26	Search for $b \rightarrow u$ transitions in $B_{\mu} \rightarrow D 0 K_{\mu}$ and $B_{\mu} \rightarrow D^* 0 K_{\mu}$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	19
25	Search for the W-exchange decays $B 0 \rightarrow D_s^{(*)} D_s^{(*)+}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	7
24	Evidence for the decay $B_{\mu} \rightarrow K^* \pi 0$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	10
23	Study of the $B \rightarrow 3h\pi h + \pi$ decay. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	13
22	Search for the decay $B \rightarrow 4\pi\pi(0)$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	9
21	Measurement of the branching fraction and decay rate asymmetry of $B_{\mu} \rightarrow D_{\mu} 0 K_{\mu}$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3

20	Dalitz-plot analysis of the decays $B_{\bar{c}} \rightarrow K_{\bar{c}} \pi$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	89
19	Study of b $\rightarrow$ c interference in the decay $B_{\bar{c}} \rightarrow [K^+ \pi^-] D K^*$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	8
18	Measurement of double charmonium production in e <sup>+</sup> e <sup>-</sup> annihilations at s=10.6 GeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	136
17	Measurement of the branching ratios $(D_{s^*}^{+-} \rightarrow D_{s^*}^+ \pi^-) / (D_{s^*}^{+-} \rightarrow D_{s^*}^+ \eta)$ and $(D^{*0} \rightarrow D^0 \pi^0) / (D^{*0} \rightarrow D^0 \eta)$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	11
16	Search for B $\rightarrow$ J/ $\psi$ D decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	8
15	Precision measurement of the $\bar{\Lambda}^+$ baryon mass. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
14	Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 151804	7.4	9
13	Determination of $ V_{ub} $ from measurements of the electron and neutrino momenta in inclusive semileptonic B decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 111801	7.4	20
12	Measurements of the B $\rightarrow$ Xs branching fraction and photon spectrum from a sum of exclusive final states. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	86
11	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin(2\beta)$ with partial reconstruction of B $\rightarrow$ D <sup>*</sup> ? $\eta$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	23
10	Observation of a broad structure in the $\pi^+ \pi^- J/\psi$ mass spectrum around 4.26 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2005</b> , 95, 142001	7.4	526
9	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)+} / - D^{*-} / -$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 131802	7.4	7
8	Production and decay of $\chi(c)(0)$ at BABAR. <i>Physical Review Letters</i> , <b>2005</b> , 95, 142003	7.4	9
7	Improved Measurement of the Cabibbo-Kobayashi-Maskawa angle $\alpha$ using $B^0(B) \rightarrow \rho^+ \rho^-$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 041805	7.4	31
6	Evidence for B <sup>+</sup> $\rightarrow$ K <sup>0</sup> K <sup>+</sup> and B <sup>0</sup> $\rightarrow$ K <sup>0</sup> K <sup>0</sup> , and measurement of the branching fraction and search for direct CP violation in B <sup>+</sup> $\rightarrow$ K <sup>0</sup> $\pi^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 221801	7.4	8
5	Measurement of the Cabibbo-Kobayashi-Maskawa angle $\gamma$ in B <sup>+</sup> / $\bar{B}^0 \rightarrow$ D <sup>*</sup> K <sup>+</sup> / $\bar{K}^-$ decays with a Dalitz analysis of D <sup>+</sup> / $\bar{D}^0 \rightarrow$ K(S) $\pi^+ \pi^+$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 121802	7.4	65
4	Measurement of the direct CP asymmetry in b $\rightarrow$ s gamma Decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 021804	7.4	25
3	A STUDY OF $B^0 \bar{B}^0$ OSCILLATIONS WITH FULLY RECONSTRUCTED B MESONS WITH THE BABAR DETECTOR. <i>International Journal of Modern Physics A</i> , <b>2001</b> , 16, 407-409	1.2	

2	Measurement of CP-violating asymmetries in B0 decays to CP eigenstates. <i>Physical Review Letters</i> , <b>2001</b> , 86, 2515-22	7.4	100
1	Observation of CP violation in the B(0) meson system. <i>Physical Review Letters</i> , <b>2001</b> , 87, 091801	7.4	373