

# Roberto Calabrese

## List of Publications by Citations

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

611 papers	19,435 citations	66 h-index	105 g-index
618 ext. papers	21,522 ext. citations	5.1 avg, IF	5.56 L-index

#	Paper	IF	Citations
611	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
610	Evidence for an excess of $B \rightarrow D^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2012</b> , 109, 101802	7.4	456
609	LHCb detector performance. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1530022	1.2	452
608	Measurement of an excess of $B \rightarrow D^* \mu^+ \mu^-$ decays and implications for charged Higgs bosons. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	340
607	Searches for Lepton flavor violation in the decays $\tau_{\{+/-\}} \rightarrow e_{\{+/-\}} \gamma$ and $\tau_{\{+/-\}} \rightarrow \mu_{\{+/-\}} \gamma$ . <i>Physical Review Letters</i> , <b>2010</b> , 104, 021802	7.4	328
606	Measurement of the $B \rightarrow 0$ transition form factor. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	246
605	Search for a dark photon in $e^+e^-$ collisions at BABAR. <i>Physical Review Letters</i> , <b>2014</b> , 113, 201801	7.4	241
604	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
603	The Physics of the B Factories. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	233
602	Evidence of a broad structure at an invariant mass of 4.32 GeV/c <sup>2</sup> in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , <b>2007</b> , 98, 212001	7.4	200
601	Evidence for $D^0$ - $\bar{D}^0$ mixing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 211802	7.4	186
600	Study of $e^+e^- \rightarrow \mu^+\mu^-$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	180
599	Precise measurement of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the initial state radiation method at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 231801	7.4	163
598	A precision measurement of direct CP violation in the decay of neutral kaons into two pions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 544, 97-112	4.2	154
597	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
596	Determination of the electric and magnetic form factors of the proton in the time-like region. <i>Nuclear Physics B</i> , <b>1994</b> , 411, 3-32	2.8	140
595	Search for dimuon decays of a light scalar boson in radiative transitions $\Upsilon \rightarrow \gamma A^0$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 081803	7.4	139

594	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B(\pm) \rightarrow X(3872)K(\pm)$ decays and a study of $B \rightarrow c\bar{c}[\text{over}]\gamma K$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 132001	7.4	134
593	Observation of the bottomonium ground state in the decay $Upsilon(3S) \rightarrow \gamma \eta'$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 071801	7.4	132
592	Observation of the $1P1$ state of charmonium. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2337-2340	7.4	128
591	Measurements of $e^+e^- \rightarrow K^+K^-K^0\bar{K}^0$ and $K_S^0 K^0 \bar{K}^0$ cross sections using initial state radiation events. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	127
590	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
589	Search for lepton flavor violation in the decay $\tau^\pm \rightarrow \mu^\pm \gamma$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 041802	7.4	121
588	Evidence for the decay $X(3872) \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	119
587	Observation of a new Ds meson decaying to DK at a mass of 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2006</b> , 97, 222001	7.4	117
586	Search for doubly charmed baryons $\bar{\Lambda}_c^+$ and $\bar{\Lambda}_c^{++}$ in BABAR. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	116
585	Observation of new resonances decaying to $D^0$ and $D^{*0}$ in inclusive $e^+e^-$ collisions near $s=10.58$ GeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	111
584	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
583	The $e^+e^- \rightarrow 2(\pi^0), 2(\pi^0)K^+K^-$ and $K^+K^-$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	111
582	Precise measurement of the $e^+e^- \rightarrow \pi^0$ cross section with the initial-state radiation method at BABAR. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	110
581	$e^+e^- \rightarrow \pi^0 K^+K^-$ and $K^+K^-$ cross sections at center-of-mass energies 0.54.5 GeV measured with initial-state radiation. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	109
580	Search for the $Z(4430)$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	108
579	Search for $B \rightarrow X(3872)K^+$ , $X(3872) \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	106
578	Proton electromagnetic form factors in the timelike region from 8.9 to 13.0 GeV <sup>2</sup> . <i>Physical Review Letters</i> , <b>1993</b> , 70, 1212-1215	7.4	106
577	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

576	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
575	Observation of time-reversal violation in the $B^0$ meson system. <i>Physical Review Letters</i> , <b>2012</b> , 109, 211801	7.4	96
574	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
573	Time-integrated luminosity recorded by the BABAR detector at the PEP-II. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 726, 203-213	1.2	86
572	Measurement of the $B \rightarrow D$ and $B \rightarrow D^*$ transition form factors. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	86
571	Study of $D_s J$ decays to $D^* K$ in inclusive $e^+ e^-$ interactions. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	86
570	$e^+ e^- \rightarrow K^+ K^- \pi^+ \pi^-$ and $K^+ K^- K^+ K^-$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	86
569	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
568	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^{*0}$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	84
567	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P02007-P02007	1.7	87
566	Updated measurements of exclusive $J/\psi$ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 055002	2.9	83
565	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow K^{(*)} \pi$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	82
564	Study of $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	81
563	Search for $B \rightarrow K^{(*)} \pi$ and invisible quarkonium decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	80
562	Evidence for the decay $\Lambda_c^+ \rightarrow p \pi^0$ . <i>Nuclear Physics B</i> , <b>2014</b> , 886, 665-680	2.8	79
561	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12005-P12005	1	79
560	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu_\tau$ and evidence for $B \rightarrow D \tau \nu_\tau$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 021801	7.4	79
559	Study of $e^+ e^- \rightarrow \pi^+ \pi^-$ via initial-state radiation at BABAR. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	77

558	Study of $B \rightarrow \eta$ and $B \rightarrow \eta'$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	76
557	Study of the $X(3872)$ and $Y(4260)$ in $B^0 \rightarrow J/\psi \pi^0$ and $B^{\pm} \rightarrow J/\psi \pi^{\pm}$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	76
556	Measurements of the mass and width of the $\eta(c)$ meson and of an $\eta(c)(2S)$ candidate. <i>Physical Review Letters</i> , <b>2004</b> , 92, 142002	7.4	76
555	Study of the reaction $e^+e^- \rightarrow J/\psi \pi^0$ via initial-state radiation at BABAR. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	75
554	Exclusive initial-state-radiation production of the $DD^0$ , $D^*D^0$ , and $D^*D^{*0}$ systems. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	75
553	Study of $B \rightarrow X(3872)K$ , with $X(3872) \rightarrow J/\psi \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	75
552	Study of the exclusive initial-state-radiation production of the $DD^0$ system. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	73
551	Search for a charged partner of the $X(3872)$ in the $B$ meson decay $B \rightarrow X \pi$ , $X \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	71
550	Search for Majorana neutrinos in $B^- \rightarrow \mu^- \bar{\mu} \pi$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131802	7.4	70
549	Dalitz plot analysis of $B_s^0 \rightarrow D^0 \bar{K}^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
548	Measurement of $D^0$ - $\bar{D}^0$ mixing parameters using $D^0 \rightarrow K(S)^*(0) \pi^0$ and $D^0 \rightarrow K(S)^*(0) K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 081803	7.4	70
547	Evidence for the $\eta(b)(1S)$ meson in radiative $Upsilon(2S)$ decay. <i>Physical Review Letters</i> , <b>2009</b> , 103, 161801	7.4	67
546	Measurement of the $B \rightarrow X s \pi^0$ Branching Fraction and Search for Direct CP Violation from a Sum of Exclusive Final States. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	66
545	Study of the $\chi$ and $\chi'$ charmonium states formed in $p$ annihilations. <i>Nuclear Physics B</i> , <b>1992</b> , 373, 35-54	2.8	66
544	Evidence of $B^+ \rightarrow \eta' \pi^0$ decays with hadronic $B$ tags. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	65
543	Search for $B^+ \rightarrow \eta' \pi^0$ recoiling against $B^0 \rightarrow D^0 \pi^0$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	65
542	Angular distributions in the decay $B \rightarrow K^* l^+ l^-$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	63
541	Improved measurement of the CKM angle $\gamma$ in $B^{\pm} \rightarrow D^{(*)} K^{(*)}$ decays with a Dalitz plot analysis of $D$ decays to $K S^0 \pi^0$ and $K S^0 K^+ K^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	63

540	Search for $B \rightarrow \pi\pi$ decays with hadronic B tags. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	62
539	Observation of overlapping spin-1 and spin-3 $D^0K^-$ resonances at mass 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 162001	7.4	61
538	Study of excited charm-strange baryons with evidence for new baryons $\Lambda(3055)^+$ and $\Lambda(3123)^+$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	61
537	Observation of the $\Xi(2P)$ meson in the reaction $\Xi \rightarrow DD^*$ at BABAR. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	60
536	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
535	Measurements of the absolute branching fractions of $B^+ \rightarrow K^+ X(cc)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 052002	7.4	60
534	Study of the reaction $e^+e^- \rightarrow (2S)\pi^0$ via initial-state radiation at BaBar. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	59
533	Precision measurement of the $e^+e^- \rightarrow K^+K^0$ cross section with the initial-state radiation method at BABAR. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	59
532	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
531	Measurements of the magnetic form factor of the proton for timelike momentum transfers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 559, 20-25	4.2	59
530	Measurement of Collins asymmetries in inclusive production of charged pion pairs in $e^+e^-$ annihilation at BABAR. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	58
529	Study of CP violation in Dalitz-plot analyses of $B^0 \rightarrow K^+K^-S^0$ , $B^+ \rightarrow K^+K^-K^+$ , and $B^+ \rightarrow K^0K^0K^+$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	58
528	Direct CP, lepton flavor, and isospin asymmetries in the decays $B \rightarrow K(*)l^+l^-$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 091803	7.4	58
527	Evidence for direct CP violation from Dalitz-plot analysis of $B^0 \rightarrow K^0\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	58
526	Results of a search for the $h_c(P11)$ state of charmonium in the $\Lambda_c$ and $J/\psi$ decay modes. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	58
525	Measurement of $ V_{cb} $ and the form-factor slope in $B \rightarrow D l^- \nu(l)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2010</b> , 104, 011802	7.4	57
524	Measurement of the $e^+e^- \rightarrow b\bar{b}$ Cross Section between $\sqrt{s}=10.54$ and 11.20 GeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 012001	7.4	57
523	Determination of the Branching Fraction for $B \rightarrow X_c D$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. <i>Physical Review Letters</i> , <b>2004</b> , 93,	7.4	57

522	B meson decays to $(P)K^*$ , $(P)\pi(P)\pi$ , $\pi$ , and $\pi$ . <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	56
521	Measurement of the $B \rightarrow Xs\gamma$ branching fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	55
520	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi\pi\pi(-)\nu\tau$ , and into $\phi K(-)\nu\tau$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 011801	7.4	55
519	Measurement of the $J/\psi$ and $\psi'$ resonance parameters in $p\bar{p}$ annihilation. <i>Physical Review D</i> , <b>1993</b> , 47, 772-783	4.9	55
518	Measurement of resonant and CP components in $B \rightarrow J/\psi\pi\pi$ decays. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	54
517	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
516	Precision measurement of CP violation in $B(S)(0) \rightarrow J/\psi K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
515	Measurement of the resonant and CP components in $B \rightarrow J/\psi\pi\pi$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	52
514	Study of $X(3915) \rightarrow J/\psi \pi\pi$ two-photon collisions. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	52
513	Search for low-mass dark-sector Higgs bosons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 211801	7.4	52
512	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
511	Dalitz plot analysis of the decay $B \rightarrow K^0 K^0 K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	52
510	Measurement of the branching fraction and photon energy moments of $B \rightarrow Xs\gamma$ and $A(CP)(B \rightarrow X(s+d)\gamma)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171803	7.4	52
509	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
508	Measurement of the electromagnetic form factor of the proton in the time-like region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 334, 431-434	4.2	52
507	Search for a low-mass higgs boson in $Upsilon(3S) \rightarrow \gamma A(0)$ , $A(0) \rightarrow \tau^+ \tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 181801	7.4	51
506	Branching fraction and form-factor shape measurements of exclusive charmless semileptonic B decays, and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	51
505	Observation of the decay $B \rightarrow J/\psi \eta K$ and search for $X(3872) \rightarrow J/\psi \eta$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 041801	7.4	50

504	Evidence for resonances in antiproton-proton annihilations at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 394-398	4.2	48
503	Measurements of CP violation in the three-body phase space of charmless $B^\pm$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
502	Measurements of $B(B^0 \rightarrow \bar{D}^+ p)$ and $B(B^\pm \rightarrow \bar{D}^+ p)$ and studies of $\bar{D}^+$ resonances. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	47
501	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \pi$ <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	47
500	Study of $B^0 \rightarrow \pi^+ \pi^-$ decays and constraints on the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	46
499	Search for CPT and lorentz violation in $B^0$ - $B^0$ oscillations with dilepton events. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131802	7.4	45
498	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 734, 122-130	4.2	43
497	Measurements of the semileptonic decays $B^\pm \rightarrow D^\pm \pi$ and $B^\pm \rightarrow D^{*\pm} \pi$ using a global fit to $D X^\pm$ final states. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	43
496	Search for production of invisible final states in single-photon decays of $\Upsilon(1S)$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 021804	7.4	43
495	Precision measurement of the $B \rightarrow X s \gamma$ photon energy spectrum, branching fraction, and direct CP asymmetry $A(\text{CP})((B \rightarrow X(s+d)))$ <i>Physical Review Letters</i> , <b>2012</b> , 109, 191801	7.4	43
494	Determination of the form factors for the decay $B^0 \rightarrow D^{*+} \pi^-$ and of the CKM matrix element $ V_{cb} $ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	43
493	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	42
492	Search for the $Z_1(4050)^+$ and $Z_2(4250)^+$ states in $B^0 \rightarrow \bar{D}^1 K^0$ and $B^+ \rightarrow \bar{D}^1 K^0 \pi^+$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	42
491	Evidence for direct CP violation in the measurement of the Cabbibo-Kobayashi-Maskawa angle $\beta$ with $B^\pm \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 121801	7.4	42
490	Limits on lepton-flavor violating decays into three charged leptons. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	42
489	Dalitz plot analysis of $B^\pm \rightarrow \pi^\pm \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	42
488	Study of $B^0 \rightarrow \pi^0 \pi^0$ , $B^\pm \rightarrow \pi^\pm \pi^0$ , and $B^\pm \rightarrow K^\pm \pi^0$ decays, and isospin analysis of $B \rightarrow \pi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
487	Measurement of the $\bar{D}^+ K^0$ branching fraction. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42

486	Measurement of the hadronic form factor in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
485	Dalitz plot analysis of $B \rightarrow D \pi$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	41
484	Search for hadronic decays of a light Higgs boson in the radiative decay $B \rightarrow \gamma \gamma$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 221803	7.4	41
483	Cross sections for the reactions $e^+e^- \rightarrow K^+K^- \pi^0$ , $K^+K^- \pi^0 \pi^0$ , and $K^+K^- \pi^0 \pi^0 \pi^0$ measured using initial-state radiation events. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	41
482	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho^0 K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201801	7.4	41
481	Measurement of the $e^+e^- \rightarrow p\bar{p}$ cross section in the energy range from 3.0 to 6.5 GeV. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	40
480	Exclusive measurements of $b \rightarrow s \gamma$ transition rate and photon energy spectrum. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	40
479	Vector-tensor and vector-vector decay amplitude analysis of $B^0 \rightarrow \pi^0 K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051801	7.4	40
478	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
477	Observation of $B^0$ meson decay to $a_1^+(1260) \pi^-$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 051802	7.4	39
476	Search for $B \rightarrow \gamma \gamma$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	39
475	Measurement of the pseudoscalar decay constant $f_D$ using charm-tagged events in $e^+e^-$ collisions at square root $s=10.58$ GeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 141801	7.4	39
474	Measurement of the proton electromagnetic form factor near threshold in the time-like region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 255, 149-154	4.2	39
473	Search for di-muon decays of a low-mass Higgs boson in radiative decays of the $\Upsilon(1S)$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	38
472	Measurements of charged current lepton universality and $ V_{us} $ using tau lepton decays to $e^- \bar{\nu}_e$ ( $\mu^- \bar{\nu}_\mu$ ) and $K^- \bar{\nu}_s$ . <i>Physical Review Letters</i> , <b>2010</b> , 105, 051602	7.4	38
471	Production of charged pions, kaons, and protons in $e^+e^-$ annihilations into hadrons at $s=10.54$ GeV. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	37
470	Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	37
469	Measurement of $D^0 \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^0$ , $K^0$ , and $\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36

468	Time-dependent and time-integrated angular analysis of $B \rightarrow K_S^0 \pi^0$ and $B \rightarrow K_S^0 \pi^{\pm}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
467	Measurement of the $B \rightarrow \pi \ell \nu$ 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
466	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 221801	7.4	36
465	Improved limits on the lepton-flavor violating decays $\tau \rightarrow \ell^+ \ell^- \ell^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251803	7.4	36
464	Measurement of CP asymmetries in $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow K^+ K^- K_S^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	36
463	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B^0 \bar{B}^0$ oscillations. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	36
462	Measurement of $B_c^+$ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 132001	7.4	35
461	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2872	4.2	35
460	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
459	Measurement of the $B \rightarrow \pi$ transition form factor. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	35
458	Search for invisible decays of the Upsilon(1S). <i>Physical Review Letters</i> , <b>2009</b> , 103, 251801	7.4	35
457	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
456	Study of the angular distributions of the reactions $p\bar{p} \rightarrow \bar{d}1, \bar{d}2 \rightarrow J/\psi e^+ e^-$ . <i>Physical Review D</i> , <b>2002</b> , 65,	4.9	35
455	Measurement of $B(B \rightarrow X_s \gamma)$ the $B \rightarrow X_s \gamma$ photon energy spectrum, and the direct CP asymmetry in $B \rightarrow X_s d \bar{d}$ decays. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	34
454	Measurement of $D^0 - \bar{D}^0$ mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211801	7.4	34
453	Search for the decay $B^+ \rightarrow K^+ \nu \bar{\nu}$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 101801	7.4	34
452	First measurement of the neutron electromagnetic form factor in the time-like region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 283-287	4.2	34
451	Measurement of the CP-violating phase $\phi_s$ in $B_{\text{decays}}^0 \rightarrow J/\psi \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33

450	Study of $\chi_{\text{b}}$ meson production in $\text{p} \text{ p}$ collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	33
449	Searches for rare or forbidden semileptonic charm decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	33
448	Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$ , $B \rightarrow \psi(2S) K^*$ , and $B \rightarrow \psi(3770) K^*$ with an angular analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	33
447	Improved measurements of the branching fractions for $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow K^+ K^-$ and a search for $B^0 \rightarrow K^+ K^-$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	33
446	Search for lepton flavor violating decays $\tau(\pm) \rightarrow l(\pm) \pi^0$ , $l(\pm) \eta$ , $l(\pm) \eta'$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061803	7.4	33
445	Measurement of the $B^0$ meson lifetime using $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2839	4.2	32
444	Cross sections for the reactions $e^+ e^- \rightarrow K_S^0 K_L^0$ , $K_S^0 K_L^0 \pi^0$ , $K_S^0 K_S^0 \pi^0$ and $K_S^0 K_S^0 K^+ K^-$ from events with initial-state radiation. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	32
443	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays at BABAR. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	32
442	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
441	Measurement of the gamma gamma partial width of the $\chi_{c2}$ charmonium resonance. <i>Physical Review Letters</i> , <b>1993</b> , 70, 2988-2991	7.4	32
440	Measurement of CP asymmetries and branching fractions in charmless two-body B-meson decays to pions and kaons. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	31
439	Dalitz plot analysis of $D_s^+ \rightarrow \pi^+ \pi^- \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	31
438	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
437	Measurement of CP violation parameters with a Dalitz plot analysis of $B^{\pm} \rightarrow D^0 \pi^{\pm} \pi^0 K^{\pm}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251801	7.4	31
436	Precision measurements of charmonium states formed in $p\bar{p}$ annihilation. <i>Physical Review Letters</i> , <b>1992</b> , 68, 1468-1471	7.4	31
435	Study of the kinematic dependences of $B^0$ production in $p\bar{p}$ collisions and a measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
434	First observation and amplitude analysis of the $B \rightarrow D^+ K^-$ decay. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	30
433	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7.4	30

432	Measurement of $D^0\bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K\pi$ and $K+K\pi$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	30
431	Dalitz plot analysis of $D_s^+ \rightarrow K+K\pi$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	30
430	Amplitude analysis of the decay $B_{\pi^-} \rightarrow \pi\pi\pi$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
429	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B(0-0)B$ oscillations. <i>Physical Review Letters</i> , <b>2004</b> , 92, 181801	7.4	30
428	Study of the $\eta_c(1(1)S_0)$ state of charmonium formed in p-barp annihilations and a search for the $\eta_c(2(1)S_0)$ . <i>Physical Review D</i> , <b>1995</b> , 52, 4839-4854	4.9	30
427	Precise determination of the electromagnetic form factor of the proton in the time-like region up to $s = 4.2 \text{ GeV}^2$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 257, 514-518	4.2	30
426	Observation of the $\Lambda_b \rightarrow J/\psi \Lambda$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
425	Observation of photon polarization in the $b \rightarrow s\pi$ transition. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161801	7.4	29
424	Observation of direct CP violation in the measurement of the Cabibbo-Kobayashi-Maskawa angle $\beta$ with $B_{\pi^-} \rightarrow D^{(*)}K^{(*)}\pi$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	29
423	Measurement of the $B^0 \rightarrow \pi\pi$ and $B^+ \rightarrow \pi^+\pi^0$ branching fractions, the $B^0 \rightarrow \pi\pi$ and $B^+ \rightarrow \pi\pi$ form-factor shapes, and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	29
422	Study of $B \rightarrow D^{(*)}D_s(J)^{(*)}$ decays and measurement of $D_s$ and $D_s J(2460)\pi$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	29
421	Study of the angular distribution of the reaction $p\text{-}\bar{p} \rightarrow \chi_{c2} \rightarrow J/\psi \gamma \rightarrow e^+e^- \gamma$ . <i>Physical Review D</i> , <b>1993</b> , 48, 3037-3044	4.9	29
420	Measurement of the semileptonic CP asymmetry in $B^0\text{-}B^0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
419	Observation of the $\Upsilon(13D_J)$ bottomonium state through decays to $\pi\Upsilon(1S)$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
418	Study of $B \rightarrow X\pi$ decays and determination of $ V_{td}/V_{ts} $ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
417	Measurement of $B \rightarrow K^{(*)}(892)\gamma$ branching fractions and CP and Isospin asymmetries. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211802	7.4	28
416	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell) \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 101, 261802	7.4	28
415	Search for $D^0\bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28

414	Measurement of CP-violating asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
413	Evidence for the $B^0 \rightarrow \pi^0 \pi^0 K^*0$ and $B^+ \rightarrow \pi^+ K^*+$ decays and study of the decay dynamics of B meson decays into $\pi\pi h$ final states. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
412	New measurements of the resonance parameters of the $\psi(13P0)$ state of charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 533, 237-242	4.2	28
411	Measurement of the total $e^+e^- \rightarrow$ hadrons cross section near the $e^+e^- \rightarrow N$ threshold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 427-430	4.2	28
410	Study of $B^0 \rightarrow J/\psi K^+ K^-$ and search for $B^0 \rightarrow J/\psi$ at BaBar. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	27
409	Study of ( $\varphi$ ) production and cold nuclear matter effects in pPb collisions at ( $\sqrt{s_{NN}}$ ) = 5 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
408	Measurement of $D^0 \bar{D}^0$ mixing and CP violation in two-body $D^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	27
407	Studies of $B \rightarrow \pi K$ and $B \rightarrow \pi \pi$ at BABAR and a search for a second-class current. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	27
406	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
405	Study of $B \rightarrow \pi$ and $B \rightarrow \eta$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	27
404	Measurements of the decays $B^0 \rightarrow D^0 \pi^+ \pi^-$ , $B^0 \rightarrow D^{*0} \pi^+ \pi^-$ , $B^0 \rightarrow D^0 \pi^+ \pi^0$ , and $B^0 \rightarrow D^{*0} \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	27
403	Search for strange-pentaquark production in $e^+e^-$ annihilation at $\sqrt{s} = 10.58$ GeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 042002	7.4	27
402	Precision measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 242002	7.4	26
401	Search for a low-mass scalar Higgs boson decaying to a tau pair in single-photon decays of $\Upsilon(1S)$ . <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	26
400	Measurement of CP observables in $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays and constraints on the CKM angle $\alpha$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	26
399	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 051803	7.4	26
398	Measurements of the $\Lambda_b$ mass and the mass difference of the $\Lambda_b$ and $\Lambda_b^0$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	26
397	Francium sources and traps for fundamental interaction studies. <i>European Physical Journal: Special Topics</i> , <b>2007</b> , 150, 389-392	2.3	26

396	Measurements of neutral B decay branching fractions to $KS^0\pi^0$ final states and the charge asymmetry of $B^0 \rightarrow K^* \pi$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	26
395	Measurement of the lifetime of the $B_c^+$ meson using the $B_c^+ \rightarrow J/\psi$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 29-37	4.2	25
394	Studies of beauty baryon decays to $D^0 p$ and $\bar{D}^0 \bar{p}$ final states. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	25
393	Measurement of the $D^{*(2010)+}$ meson width and the $D^{*(2010)+} - D^0$ mass difference. <i>Physical Review Letters</i> , <b>2013</b> , 111, 111801	7.4	25
392	Analysis of the $D^+ \rightarrow K^0 e^+ \bar{\nu}$ decay channel. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	25
391	Study of hadronic transitions between $\bar{B}$ states and observation of $(4S) \rightarrow (1S)$ decay. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
390	Dalitz plot analysis of the decay $B^0(B^{\pm}) \rightarrow K^0 \pi^{\pm}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
389	Study of the decay $D_s^+ \rightarrow K^+ K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
388	Measurements of CP-violating asymmetries in $B^0 \rightarrow a_1^+ / -(1260) \pi^- / +$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 181803	7.4	25
387	Measurement of the $B^0 \rightarrow D^* D_s^{*+}$ and $D_s^+ \rightarrow \pi^0$ branching fractions. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
386	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
385	Measurement of the CP -violating phase $\arg(B^0 \rightarrow J/\psi)$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 38-49	4.2	24
384	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
383	Search for CP violation in the decay $B \rightarrow K_S^0(D^0) \pi$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
382	Measurement of the absolute branching fractions for $D_s \rightarrow \pi$ and extraction of the decay constant $f_{D_s}$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	24
381	Search for lepton-number violating processes in $B^+ \rightarrow h^+ l^+$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
380	Measurement of time dependent CP asymmetry parameters in $B^0$ meson decays to $K_S^0, \bar{K}^0$ , and $\bar{K}^0 S^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	24
379	Measurement of the $B \rightarrow \pi$ branching fraction and a search for a second-class current in the $B \rightarrow \pi(958) \pi$ decay. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	24

378	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow D^0 D^0$ decay, and implications for the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	24
377	Amplitude analysis of the $B^+ \rightarrow \phi K^*(892)^+ \pi^-$ decay. <i>Physical Review Letters</i> , <b>2007</b> , 99, 201802	7.4	24
376	Amplitude analysis of the decay $D^0 \rightarrow K^0 K^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	24
375	Measurement of branching fractions and charge asymmetries in $B^+ \rightarrow \rho^+ \pi^0$ and $B^+ \rightarrow \rho^0 \pi^+ \pi^-$ decays, and search for $B^0 \rightarrow \rho^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 051802	7.4	24
374	Measurement of the $B^0 \rightarrow K^*(1430)^0 \pi^0$ and $B^+ \rightarrow K^*(1430)^+ \pi^-$ branching fractions. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	24
373	New measurements of the $B$ and $K^0$ masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 533, 196-206	4.2	24
372	Measurement of $\Upsilon$ production in $p\bar{p}$ collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	23
371	Measurement of the $D^0 \rightarrow B^+ B^-$ differential decay branching fraction as a function of $q^2$ and study of form factor parametrizations. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	23
370	Measurement of the ratio of $B_c^+$ branching fractions to $J/\psi$ and $J/\psi$ final states. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	23
369	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
368	Measurements of branching fraction, polarization, and charge asymmetry of $B^{+/-} \rightarrow \rho^{+/-} \rho^0(0)$ and a search for $B^{+/-} \rightarrow \rho^{+/-} f(0)(980)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 261801	7.4	23
367	Measurements of the branching fractions of charged B decays to $K^0 \pi^0$ final states. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	23
366	Experiment E835 at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 519, 558-609	1.2	23
365	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin(2\beta)$ with partial reconstruction of $B \rightarrow D^* \pi$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	23
364	Dalitz plot analyses of $B^0 \rightarrow D^0 D^0 K^+$ and $B^+ \rightarrow D^0 D^0 K^+$ decays. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	22
363	Search for the lepton flavour violating decay $\mu^+ \rightarrow e^+ \gamma$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
362	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	22
361	Search for lepton-number violating $B^+ \rightarrow X^0 \mu^+$ decays. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	22

360	Measurement of the $B^0B^0$ and $B^0B^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 218-228	4.2	22
359	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow DK^0$ and $D^* K^0$ decays. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	22
358	Measurement and interpretation of moments in inclusive semileptonic decays $B^0 \rightarrow X c \ell$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	22
357	Evidence for the $h_b(1P)$ meson in the decay $B^0 \rightarrow D^0 h_b(1P)$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	22
356	Measurements of $B \rightarrow \{\pi, \eta, \eta', \nu\} \ell \bar{\nu}$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 081801	7.4	22
355	Branching fraction measurements of $B^{+-} \rightarrow \rho^0 \gamma$ , $B^0 \rightarrow \rho^0 \gamma$ , and $B^0 \rightarrow \omega \gamma$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 151802	7.4	22
354	Long-lifetime high-intensity GaAs photosource. <i>Review of Scientific Instruments</i> , <b>1994</b> , 65, 343-348	1.7	22
353	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21
352	Exclusive production of $D_s^+ D_s^-$ , $D_s^{*+} D_s^-$ and $D_s^{*+} D_s^{*-}$ via $e^+ e^-$ annihilation with initial-state radiation. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	21
351	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	21
350	Amplitude analysis of $B^0 \rightarrow K^+ \pi^-$ and evidence of direct CP violation in $B \rightarrow K^* \pi$ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	21
349	Silicon photo-multiplier radiation hardness tests with a beam controlled neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 623, 921-926	1.2	21
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346	Production and decay of $\Omega_{cc}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 062001	7.4	21
345	Observation of CP violation in $B \rightarrow \eta' K^0$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 031801	7.4	21
344	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text] TeV in the forward region. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2888	4.2	20
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342	Search for the rare decay $B \rightarrow K\ell$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	20
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336	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)} (\pi) \ell^- \nu_\ell$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 151802	7.4	20
335	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)} D^{(*)}$ , and implications for the Cabibbo-Kobayashi-Maskawa angle $\beta$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	20
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316	Dalitz plot analysis of $D^0 \rightarrow K^0 K^+ K^-$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	18
315	Measurements of CP-violating asymmetries in $B^0 \rightarrow K(0^*) \pi(0)$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 131805	7.4	18
314	Production of the $f_2(1520)$ resonance in antiproton-proton annihilations at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 399-402	4.2	18
313	Measurement of forward $Z \rightarrow e^+ e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	17
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225	Search for the decay $B^0 \rightarrow a_1 \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
224	Measurement of CP observables for the decays $B \rightarrow DCP^0 K$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
223	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)\pm} \pi^\mp$ decays and constraints on $\sin(2\beta + \gamma)$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 251801	7.4	12
222	Measurements of branching fractions and CP-violating asymmetries in B meson decays to charmless two-body states containing a $K(0)$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 201802	7.4	12
221	Measurement of time-dependent CP asymmetries and constraints on $\sin(2\beta + \gamma)$ with partial reconstruction of $B^0 \rightarrow D^{*\mp} \pi^\pm$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 92, 251802	7.4	12
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219	Sodium MOT collection efficiency as a function of the trapping and repumping laser frequencies and intensities. <i>European Physical Journal D</i> , <b>2001</b> , 13, 71-82	1.3	12
218	Measurement of CP violation parameters in $B^0 \rightarrow DK^*0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
217	Measurement of the semileptonic branching fraction of the $B_s$ meson. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	11

216	Measurement of CP-violating asymmetries in $B^0 \rightarrow (\pi\pi)$ decays using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
215	Search for $b \rightarrow u$ transitions in $B^{\pm} \rightarrow [K^* \pi] DK^{\pm}$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
214	Branching fraction measurements of the color-suppressed decays $B^0$ to $D^{(*)} 0\pi$ , $D^{(*)} 0\pi D^{(*)} 0\pi$ and $D^{(*)} 0\pi$ and measurement of the polarization in the decay $B^0 \rightarrow D^{*0} \pi$ <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
213	Measurement of the branching fraction and $\pi$ polarization in $B^0 \rightarrow \pi \pi$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	11
212	Search for $B \rightarrow K^* \pi$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
211	Measurement of the branching fractions of the radiative charm decays $D^0 \rightarrow K^* 0 \gamma$ and $D^0 \rightarrow \gamma \pi$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
210	Measurements of the branching fractions of $B^0 \rightarrow K^* 0 K + K \pi$ , $B^0 \rightarrow K^* 0 \pi K$ , $B^0 \rightarrow K^* 0 K + \pi$ and $B^0 \rightarrow K^* 0 \pi \pi$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
209	Measurement of the $B^{\pm} \rightarrow \pi \pi$ branching fraction and direct CP asymmetry. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	11
208	Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
207	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
206	Measurement of the branching fraction for $B^{\pm} \rightarrow \pi^0 K^{\pm}$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	11
205	Searches for $B^0$ decays to combinations of two charmless isoscalar mesons. <i>Physical Review Letters</i> , <b>2004</b> , 93, 181806	7.4	11
204	Production and trapping of francium atoms. <i>Nuclear Physics A</i> , <b>2004</b> , 746, 421-424	1.3	11
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202	Measurement of the $B_{\text{c}}$ meson lifetime in $Ds^+ \pi$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
201	Observation of charmonium pairs produced exclusively in $\sqrt{s} p p$ collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 115002	2.9	10
200	Measurement of CP asymmetry in $B^0 s \rightarrow D^* s K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
199	Measurement of the mass and width of the $Ds_1(2536)^+$ meson. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	10

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197	Experimental study of vapor-cell magneto-optical traps for efficient trapping of radioactive atoms. <i>European Physical Journal D</i> , <b>2009</b> , 53, 89-96	1.3	10
196	Constraints on the CKM angle $\gamma$ in $B^0 \rightarrow D^0 K^{*0}$ and $B^0 \rightarrow D^0 K^{*0}$ from a Dalitz analysis of $D^0$ and $D^0$ decays to $K_S^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10
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194	Improved measurement of CP observables in $B^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	10
193	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ near $s=10.58$ GeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
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190	Measurement of CP asymmetry in $B^0 \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	10
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178	Determination of $\Gamma_{\text{had}}$ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 741, 1-11	4.2	9
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176	Measurements of direct CP asymmetries in $B \rightarrow X s \pi$ decays using sum of exclusive decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	9
175	Light desorption from an yttrium neutralizer for Rb and Fr magneto-optical trap loading. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 134201	3.9	9
174	Antideuteron production in $\Lambda(nS)$ decays and in $e^+e^- \rightarrow q\bar{q}$ at $\sqrt{s} = 0.58$ GeV. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	9
173	Diffusion and photodesorption of molecular gases in a polymer organic film. <i>European Physical Journal D</i> , <b>2014</b> , 68, 1	1.3	9
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164	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
163	Search for the decay $B^+ \rightarrow K^+ \pi^0(892) K^+$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9

162	Measurement of the relative branching fractions of $B \rightarrow D^*/D^{**} \ell \bar{\ell}$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
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155	Search for the decay $B^0 \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
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153	Measurement of the branching fractions of the radiative leptonic $B \rightarrow e \ell$ and $B \rightarrow \mu \ell$ at BABAR. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	8
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- 134 Study of  $b \rightarrow c$  interference in the decay  $B \rightarrow [K^*] DK^*$ . *Physical Review D*, **2005**, 72, 4.9 8
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118	Measurement of ratios of branching fractions and CP-violating asymmetries of $B^0 \rightarrow D^+ K^- \pi^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	7
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115	Measurement of $B$ decays to $\pi^0 K^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
114	Measurements of $B^+$ branching fractions of Cabibbo-suppressed decay modes involving $\pi^0$ and $\eta$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
113	Measurement of branching fractions and mass spectra of $B \rightarrow K \pi \pi \gamma$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 211804	7.4	7
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104	Observation of $B_{s^0} \rightarrow \{K^{*pm}\}\{K^{mp}\}$ and evidence for $B_{s^0} \rightarrow \{K^{*-}\}\{\pi^+\}$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
103	B0 meson decays to $\bar{D}K^0$ , $f_0K^0$ , and $\bar{K}^{*+}$ , including higher K* resonances. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	6
102	Search for f(J)(2220) in radiative J/ $\psi$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 172001	7.4	6
101	Observation of the rare decay $B_0 \rightarrow KS0K^0$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	6
100	Search for B-meson decays to b1 and b1K*. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	6
99	Observation of $B_0 \rightarrow \bar{D}^0 K^0$ and evidence for $B^{+-} \rightarrow \bar{D}^0 K^{*+}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	6
98	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 091801	7.4	6
97	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
96	Search for the radiative decay $B_0 \rightarrow \gamma \pi^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	6
95	Measurement of the $B \rightarrow D^0 K^0$ branching fraction. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	6
94	Irradiation of the CLARO-CMOS chip, a fast ASIC for single-photon counting. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 787, 234-235	1.2	5
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