

# Alessio Sarti

## List of Publications by Year in descending order

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286  
papers

11,073  
citations

34076

52  
h-index

42364

92  
g-index

288  
all docs

288  
docs citations

288  
times ranked

8184  
citing authors

#	ARTICLE	IF	CITATIONS
1	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08005-S08005.	0.5	969
2	Observation of a Narrow Meson State Decaying to $D_s + \bar{D}^0$ at a Mass of $2.32 \pm 0.02 \text{ GeV}/c^2$ . <i>Physical Review Letters</i> , 2003, 90, 242001.	2.9	603
3	Study of the $B^0 \rightarrow J/\psi K^0$ decay and measurement of the $B^0 \rightarrow X(3872) K^0$ branching fraction. <i>Physical Review D</i> , 2005, 71, .	1.6	375
4	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	292
5	Measurement of the CP Asymmetry Amplitudes in $B^0 \rightarrow 2\pi^0$ with B Mesons. <i>Physical Review Letters</i> , 2002, 89, 201802.	2.9	247
6	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	238
7	Differential branching fractions and isospin asymmetries of $B \rightarrow K^*(*) \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	206
8	Direct CP Violating Asymmetry in $B^0 \rightarrow K^+ \bar{K}^0$ Decays. <i>Physical Review Letters</i> , 2004, 93, 131801.	2.9	167
9	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	153
10	Measurement of the $B^0 \rightarrow X_s \pi^+ \pi^-$ Branching Fraction with a Sum over Exclusive Modes. <i>Physical Review Letters</i> , 2004, 93, 081802.	2.9	146
11	B, D and K decays. <i>European Physical Journal C</i> , 2008, 57, 309-492.	1.4	146
12	Performance of the LHCb muon system. <i>Journal of Instrumentation</i> , 2013, 8, P02022-P02022.	0.5	145
13	Study of the $e^+e^- \rightarrow \bar{D}^0 D^0$ process using initial state radiation with BABAR. <i>Physical Review D</i> , 2004, 70, .	1.6	138
14	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	137
15	Measurements of Branching Fractions and CP-Violating Asymmetries in $B^0 \rightarrow \bar{D}^0 \pi^0, K^+ \bar{D}^0, K^+ K^0$ Decays. <i>Physical Review Letters</i> , 2002, 89, 281802.	2.9	122
16	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector B Meson Decays. <i>Physical Review Letters</i> , 2003, 91, 171802.	2.9	122
17	$e^+e^- \rightarrow \bar{D}^0 D^0, K^+ \bar{D}^0, K^+ K^0$ cross sections at center-of-mass energies $0.5 \leq \sqrt{s} \leq 4.5 \text{ GeV}$ measured with initial-state radiation. <i>Physical Review D</i> , 2005, 71, .	1.6	119
18	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , 2013, 73, 2631.	1.4	117

#	ARTICLE	IF	CITATIONS
19	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
20	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2025.	1.4	106
21	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
22	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
23	Improved Measurement of CP Asymmetries in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2005, 94, 161803.	2.9	95
24	Toward Radioguided Surgery with $^{125}\text{I}$ Decays: Uptake of a Somatostatin Analogue, DOTATOC, in Meningioma and High-Grade Glioma. Journal of Nuclear Medicine, 2015, 56, 3-8.	2.8	92
25	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
26	Measurements of the Mass and Width of the $\psi(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	2.9	83
27	Measurement of $J/\psi(2S)$ meson production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2100.	1.4	83
28	Study of $D^* \rightarrow D \ell^+ \ell^-$ meson decays to $D^* \rightarrow D \ell^+ \ell^-$ and $D^* \rightarrow D \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
29	Observation of a narrow meson decaying to $D_s^* \ell^+ \ell^-$ at a mass of $2.458 \text{ GeV}/c^2$ . Physical Review D, 2004, 69, .	1.6	80
30	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X^* K, X^* \rightarrow J/\psi \ell^+ \ell^-$ . Physical Review D, 2005, 71, .	1.6	80
31	Time-integrated and time-dependent angular analyses of $B \rightarrow K^* \ell^+ \ell^-$ : A measurement of $\cos^2 \theta_1$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77
32	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	74
33	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

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37	Performance of the Muon Identification at LHCb. Journal of Instrumentation, 2013, 8, P10020-P10020.	0.5	69
38	Search for Lepton-Flavor Violation in the Decay $B \rightarrow \tau \mu \nu$ . Physical Review Letters, 2004, 92, 121801.	2.9	68
39	Evidence for the Rare Decay $B \rightarrow K^* \mu \nu$ and Measurement of the $B \rightarrow K^* \mu \nu$ Branching Fraction. Physical Review Letters, 2003, 91, 221802.	2.9	65
40	Measurement of the isospin asymmetry in $B \rightarrow K^* \mu \nu$ decays. Journal of High Energy Physics, 2012, 2012, 165		
41	Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
42	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \nu$ decays. Physical Review D, 2004, 69, .	1.6	63
43	Study of inclusive production of charmonium mesons in B decays. Physical Review D, 2003, 67, .	1.6	61
44	Measurement of charged particle yields from PMMA irradiated by a 220 MeV/u beam. Physics in Medicine and Biology, 2014, 59, 1857-1872.	1.6	60
45	Observation of the Decay $B \rightarrow J/\psi K$ and Search for $X(3872) \rightarrow J/\psi$ . Physical Review Letters, 2004, 93, 041801.	2.9	59
46	Determination of the Branching Fraction for $B \rightarrow X c \bar{c}$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	2.9	58
47	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
48	Study of $B \rightarrow D_s^* K$ Decays. Physical Review Letters, 2004, 93, 181801.	2.9	56
49	B meson decays to $\bar{D}^* K^*$ , $\bar{D}^* \bar{K}^*$ , $\bar{D}^* \bar{K}^0$ , $\bar{D}^* \bar{K}^+$ , and $\bar{D}^* \bar{K}^0$ . Physical Review D, 2004, 70, .	1.6	56
50	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \bar{K}^*$ . Physical Review D, 2004, 70, .	1.6	53
51	Carbon fragmentation measurements and validation of the Geant4 nuclear reaction models for hadrontherapy. Physics in Medicine and Biology, 2012, 57, 7651-7671.	1.6	53
52	Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
53	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
54	Measurement of CP asymmetry in $D \rightarrow K^* K^+$ and $D \rightarrow K^* \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52

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55	Measurements of Branching Fractions and CP-Violating Asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2003, 91, 201802.	2.9	51
56	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
57	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
58	$J/\psi$ production via initial state radiation in $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow J/\psi + \gamma$ at a center-of-mass energy near 10.6 GeV. Physical Review D, 2004, 69, .	1.6	48
59	A novel radioguided surgery technique exploiting $^{125}\text{I}$ decays. Scientific Reports, 2014, 4, 4401.	1.6	48
60	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
61	First observation of the decay $B_c^+ \rightarrow \psi(3700) \pi^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
62	Study of the Decay $B^0 \rightarrow \pi^+ \pi^-$ , and Constraints on the Cabibbo-Kobayashi-Maskawa Angle $\beta$ . Physical Review Letters, 2004, 93, 231801.	2.9	40
63	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B^0$ oscillations. Physical Review D, 2004, 70, .	1.6	39
64	Measurements of Branching Fractions and Time-Dependent CP-Violating Asymmetries in $B^0 \rightarrow K^+ K^-$ Decays. Physical Review Letters, 2005, 94, 191802.	2.9	39
65	Branching Fractions and CP Asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ , $B^0 \rightarrow \pi^+ \pi^-$ , and $B^0 \rightarrow K^+ K^-$ Decays and Isospin Analysis of the $B^0 \rightarrow \pi^0 \pi^0$ System. Physical Review Letters, 2005, 94, 181802.	2.9	39
66	Study of the kinematic dependences of $\hat{\Gamma}(b \rightarrow 0)$ production in pp collisions and a measurement of the $\hat{\Gamma}(b \rightarrow 0) \rightarrow c + \bar{c}$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
67	A Robust and Low-Complexity Source Localization Algorithm for Asynchronous Distributed Microphone Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1563-1575.	4.0	39
68	Measurement of CP Asymmetries in $B^0 \rightarrow \pi^+ K^0$ and $B^0 \rightarrow K^+ K^0$ decays. Physical Review D, 2005, 71, .	1.6	38
69	Search for $D^0 \rightarrow D^0$ Mixing and a Measurement of the Doubly Cabibbo-Suppressed Decay Rate in $D^0 \rightarrow K^+ K^-$ Decays. Physical Review Letters, 2003, 91, 171801.	2.9	37
70	Measurement of the Inclusive Charmless Semileptonic Branching Ratio of B Mesons and Determination of $ V_{ub} $ . Physical Review Letters, 2004, 92, 071802.	2.9	37
71	Charged particle $\alpha$ 's flux measurement from PMMA irradiated by 80 MeV/u carbon ion beam. Physics in Medicine and Biology, 2012, 57, 5667-5678.	1.6	37
72	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s}=7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37

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73	Measurement of Branching Fractions and Charge Asymmetries for Exclusive B Decays to Charmonium. Physical Review Letters, 2005, 94, 141801.	2.9	36
74	First observation of the decay $B \rightarrow \hat{\pi}^+ \hat{\pi}^- + \hat{\pi}^0 \hat{\pi}^0$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
75	Measurement of the relative rate of prompt $\hat{c}^0$ , $\hat{c}^+$ and $\hat{c}^+$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
76	Measurements of CP-Violating Asymmetries and Branching Fractions in B Meson Decays to $\hat{K}^0$ . Physical Review Letters, 2003, 91, 161801.	2.9	35
77	Observation of a Significant Excess of $\hat{K}^0$ Events in B Meson Decays. Physical Review Letters, 2003, 91, 241801.	2.9	35
78	Measurements of moments of the hadronic mass distribution in semileptonic B decays. Physical Review D, 2004, 69, .	1.6	35
79	Observation of the $\hat{b} \rightarrow \hat{c} \hat{c}^+ \hat{c}^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
80	Properties of para-Terphenyl as a Detector for $\hat{c}^0$ and $\hat{c}^+$ production and $\hat{c}^+$ radiation. IEEE Transactions on Nuclear Science, 2014, 61, 1483-1487.	1.2	35
81	Limits on $D^0$ - $\bar{D}^0$ Mixing and CP Violation from the Ratio of Lifetimes for Decay to $\hat{K}^0$ , $\hat{K}^+$ , and $\hat{K}^+$ . Physical Review Letters, 2003, 91, 121801.	2.9	34
82	Improved Measurement of the Cabibbo-Kobayashi-Maskawa Angle $\hat{\alpha}_1$ Using $B^0(B^{\hat{c}}) \rightarrow \hat{\pi}^+ \hat{\pi}^-$ Decays. Physical Review Letters, 2005, 95, 041805.	2.9	34
83	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	34
84	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
85	Measurement of the $B^+/\bar{B}^0$ production ratio from the $\hat{\psi}(4S)$ meson using $B^+ \rightarrow \hat{J}/\psi K^+$ and $\bar{B}^0 \rightarrow \hat{J}/\psi K^0$ decays. Physical Review D, 2004, 69, .	1.6	33
86	Limits on the Decay-Rate Difference of Neutral B Mesons and on CP, T, and CPT Violation in $B^0$ - $\bar{B}^0$ Oscillations. Physical Review Letters, 2004, 92, 181801.	2.9	33
87	Study of $\hat{\psi}$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
88	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	0.7	30
89	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
90	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30

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91	Measurement of charged particle multiplicities and densities in $pp$ collisions at $\sqrt{s}=7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
92	Forward production of $\Upsilon$ mesons in $pp$ collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
93	Secondary radiation measurements for particle therapy applications: prompt photons produced by $^4\text{He}$ , $^{12}\text{C}$ and $^{16}\text{O}$ ion beams in a PMMA target. Physics in Medicine and Biology, 2017, 62, 1438-1455.	1.6	30
94	Improved Measurements of CP-Violating Asymmetry Amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2005, 95, 151803.	2.9	29
95	Measurement of relative branching fractions of B decays to $\Upsilon(2S)$ and $J/\psi$ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
96	Localization of Acoustic Sources Through the Fitting of Propagation Cones Using Multiple Independent Arrays. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1964-1975.	3.8	29
97	Search for Strange-Pentaquark Production in $e^+e^-$ Annihilation at $\sqrt{s}=10.58$ GeV. Physical Review Letters, 2005, 95, 042002.	2.9	28
98	Measurement of the total width, the electronic width, and the mass of the $\Upsilon(10580)$ resonance. Physical Review D, 2005, 72, .	1.6	28
99	Measurement of the $B^0 \rightarrow K^+ e^- e^+$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
100	First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
101	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^-$ , Study of $B^0 \rightarrow \pi^+ \pi^-$ , and Search for $B^0 \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2003, 91, 021801.	2.9	27
102	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and measurement of the branching fraction and polarization. Physical Review D, 2004, 69, .	1.6	27
103	Measurements of the branching fractions of charged B decays to $K^+ \pi^-$ final states. Physical Review D, 2004, 70, .	1.6	27
104	Measurement of the $B^0 \rightarrow K^{*0} \pi^+$ and $B^+ \rightarrow K^{*0} \pi^+$ branching fractions. Physical Review D, 2004, 70, .	1.6	27
105	Measurement of Branching Fractions and Charge Asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ Decays, and Search for $B^0 \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2004, 93, 051802.	2.9	26
106	Search for the decay $B^0 \rightarrow \pi^+ \pi^-$ . Physical Review D, 2004, 69, .	1.6	26
107	Measurement of the $B^0 \rightarrow D^{*+} D_s^-$ and $D_s^+ \rightarrow \pi^+ \pi^-$ branching fractions. Physical Review D, 2005, 71, .	1.6	26
108	Precise measurement of prompt photon emission from 80 MeV/u carbon ion beam irradiation. Journal of Instrumentation, 2012, 7, P03001-P03001.	0.5	26

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109	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ mbox{ and }7~\mathrm{TeV}. European Physical Journal C, 2012, 72, 1.	1.4	26
110	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
111	Angular analysis of charged and neutral B $\hat{\pi}^0 K^{\pm} + \hat{\pi}^0 \hat{\pi}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
112	Time Evolution of DOTATOC Uptake in Neuroendocrine Tumors in View of a Possible Application of Radioguided Surgery with $^{111}\text{In}$ Decay. Journal of Nuclear Medicine, 2015, 56, 1501-1506.	2.8	26
113	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
114	Measurement of the Direct CP Asymmetry in $B^0 \rightarrow K^+ K^-$ Decays. Physical Review Letters, 2004, 93, 021804.	2.9	25
115	Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ mbox{TeV}. European Physical Journal C, 2013, 73, 2421.	1.4	25
116	Observation of the decay $B_c^+ \rightarrow \hat{\pi}^0 K^+ K^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
117	TDOA-based acoustic source localization in the space range reference frame. Multidimensional Systems and Signal Processing, 2014, 25, 337-359.	1.7	25
118	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
119	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_{\mathrm{S}}^0 \pi^0$ and $K_{\mathrm{S}}^0 \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\mathrm{S}}^0 \pi^+$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
120	Design of a new tracking device for on-line beam range monitor in carbon therapy. Physica Medica, 2017, 34, 18-27.	0.4	25
121	MONDO: a neutron tracker for particle therapy secondary emission characterisation. Physics in Medicine and Biology, 2017, 62, 3299-3312.	1.6	25
122	Measurement of the branching fraction for inclusive semileptonic B meson decays. Physical Review D, 2003, 67, .	1.6	24
123	Study of the Rare Decays $B^0 \rightarrow D_s^{(*)} \pi^0$ and $B^0 \rightarrow D_s^{(*)} K^+$ . Physical Review Letters, 2003, 90, 181803.	2.9	24
124	Measurements of the branching fractions of $B^+ \rightarrow \rho^0 K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
125	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
126	Measurement of the Cabibbo-Kobayashi-Maskawa Matrix Element $ V_{ub} $ with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 90, 181801.	2.9	23



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127	Monitoring of Hadrontherapy Treatments by Means of Charged Particle Detection. <i>Frontiers in Oncology</i> , 2016, 6, 177.	1.3	23
128	Secondary radiation measurements for particle therapy applications: nuclear fragmentation produced by $^4\text{He}$ ion beams in a PMMA target. <i>Physics in Medicine and Biology</i> , 2017, 62, 1291-1309.	1.6	23
129	Measurement of the branching fractions for the exclusive decays of $B^0$ and $B^+$ to $D^{(*)}K$ . <i>Physical Review D</i> , 2003, 68, .	1.6	22
130	Rare $B$ Decays into States Containing a $\eta/\eta'$ Meson and a Meson with $s\bar{s}$ Quark Content. <i>Physical Review Letters</i> , 2003, 91, 071801.	2.9	22
131	Measurement of branching fractions of color-suppressed decays of the $B^0$ meson to $D^{(*)}\pi^0, D^{(*)}\pi^{\pm}, D^{(*)}\pi^{\pm}\pi^0$ , and $D^0\pi^{\pm}$ . <i>Physical Review D</i> , 2004, 69, .	1.6	22
132	Measurement of the $B^{\pm}$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	22
133	Measurement of the CKM angle $\hat{\beta}^3$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow \pi^+ \pi^- K^0, \pi^+ \pi^- K^+, K^0 K^0, K^+ K^+$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	22
134	Measurements of CP-Violating Asymmetries in $B^0 \rightarrow K_S^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2004, 93, 131805.	2.9	21
135	Search for $D^0 \rightarrow D^0$ mixing using semileptonic decay modes. <i>Physical Review D</i> , 2004, 70, .	1.6	21
136	Limit on the $B^0 \rightarrow \pi^0 \pi^0$ Branching Fraction and Implications for the Cabibbo-Kobayashi-Maskawa Angle $\hat{\beta}^{\pm}$ . <i>Physical Review Letters</i> , 2005, 94, 131801.	2.9	21
137	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	21
138	A precise measurement of the $B^0$ meson oscillation frequency. <i>European Physical Journal C</i> , 2016, 76, 412.	1.4	21
139	Search for the lepton-flavour violating decays $B^0 \rightarrow (\pi^+ \pi^-) e^{\pm} \mu^{\mp}$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.		21
140	Measurements of the Branching Fractions and Bounds on the Charge Asymmetries of Charmless Three-Body Charged $B$ Decays. <i>Physical Review Letters</i> , 2003, 91, 051801.	2.9	20
141	Measurements of the Branching Fraction and CP-Violation Asymmetries in $B^0 \rightarrow f_0(980) K_S^0$ . <i>Physical Review Letters</i> , 2005, 94, 041802.	2.9	20
142	Measurement of the branching fraction and the CP-violating asymmetry for the decay $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , 2005, 71, .	1.6	20
143	Measurement of the $\hat{m}_b$ (3P) mass and of the relative rate of $\hat{b} \rightarrow b(1P)$ and $\hat{b} \rightarrow b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	20
144	Measurement of fragmentation cross sections of $C^{12}$ ions on a thin gold target with the FIRST apparatus. <i>Physical Review C</i> , 2016, 93, .	1.1	20

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145	Updated measurement of time-dependent $CP$ -violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
146	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ Decays: Measurement of the Ratio of Branching Fractions and Search for Direct $CP$ Violation. Physical Review Letters, 2004, 92, 241802.	2.9	19
147	Measurement of the Time-Dependent $CP$ Asymmetry in the $B^0 \rightarrow \pi^+ \pi^- K^0$ Decay. Physical Review Letters, 2004, 93, 071801.	2.9	19
148	Review and performance of the Dose Profiler, a particle therapy treatments online monitor. Physica Medica, 2019, 65, 84-93.	0.4	19
149	Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$ , $B^0 \rightarrow \pi^+ \pi^- \pi^+$ , and $B^0 \rightarrow \pi^+ \pi^- K^+$ and Study of Related Decays. Physical Review Letters, 2004, 92, 061801.	2.9	18
150	Search for Flavor-Changing Neutral Current and Lepton-Flavor Violating Decays of $D^0 \rightarrow \pi^+ \pi^-$ . Physical Review Letters, 2004, 93, 191801.	2.9	18
151	Measurement of $V_0$ production ratios in $pp$ collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
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