

Ulrik Egede

List of Publications by Year in descending order

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Version: 2024-02-01

880
papers

43,505
citations

2675

95
h-index

4645

170
g-index

899
all docs

899
docs citations

899
times ranked

11983
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	3,177
2	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	1.2	969
3	Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Observations of $B \rightarrow K^* \ell^+ \ell^-$ Resonances Consistent with Pentaquark States in $B \rightarrow K^* \ell^+ \ell^-$ Mass Spectrum around $4.26 \text{ GeV}/c^2$. Physical Review Letters, 2005, 95, 142001.	7.8	845
4	Observation of a Broad Structure in the $B \rightarrow K^* \ell^+ \ell^-$ Mass Spectrum around $4.26 \text{ GeV}/c^2$. Physical Review Letters, 2005, 95, 142001.	7.8	816
5	Measurement of the Ratio of Branching Fractions $R_{B \rightarrow K^* \ell^+ \ell^-}$	7.8	650
6			

#	ARTICLE	IF	CITATIONS
19	Angular analysis of the $B^0 \rightarrow K^* \rho^0 \rho^0$ decay using 3 fb ⁻¹ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	304
20	Measurement of the Ratio of the $B^0 \rightarrow D^* \rho^0$ and $B^0 \rightarrow D^* \rho^0$ decays. Physical Review Letters, 2018, 120, 171802.	7.8	292
21	First Evidence for the Decay $B^0 \rightarrow \rho^0 \rho^0$. Physical Review Letters, 2013, 110, 021801.	7.8	292
22	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	292
23	Measurement of the $B^0 \rightarrow \rho^0 \rho^0$ Fraction and Search for $B^0 \rightarrow \rho^0 \rho^0$. Physical Review Letters, 2013, 111, 101805.	7.8	258
24	Averages of b-hadron, c-hadron, and τ -lepton properties as of 2018. European Physical Journal C, 2021, 81, 1.	3.9	248
25	Measurement of the CP Asymmetry Amplitudes in $B^0 \rightarrow \rho^0 \rho^0$. Physical Review Letters, 2002, 89, 201802.	7.8	247
26	Evidence of a Broad Structure at an Invariant Mass of 4.32 GeV/c ² in the Reaction $e^+e^- \rightarrow \rho^0 \rho^0$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	7.8	247
27	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	238
28	Observation of Five New Narrow States Decaying to $B^0 \rightarrow \rho^0 \rho^0$. Physical Review Letters, 2013, 111, 101805.	7.8	234
29	Measurement of the $B^0 \rightarrow \rho^0 \rho^0$ CP Asymmetry. Physical Review Letters, 2002, 89, 201802.	7.8	247

#	ARTICLE	IF	CITATIONS
37	Evidence for CP Violation in Time-Integrated Rates. <i>Physical Review Letters</i> , 2012, 108, 111602.	7.8	181
38	Direct CP Violating Asymmetry in $B_0 \rightarrow K^* \bar{K}^0$ Decays. <i>Physical Review Letters</i> , 2004, 93, 131801.	7.8	167
39	Flavor physics in the quark sector. <i>Physics Reports</i> , 2010, 494, 197-414.	25.6	164
40	Strong Constraints on the Rare Decays $B_s \rightarrow s \gamma$. <i>Physical Review Letters</i> , 2012, 108, 231801.	7.8	160
41	Test of lepton universality in beauty-quark decays. <i>Nature Physics</i> , 2022, 18, 277-282.	16.7	160
42	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019, 122, 211803.	7.8	157
43	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	153
44	Observation of $J/\psi \rightarrow \psi(3686) \gamma$ Structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi K$. <i>Physical Review Letters</i> , 2020, 124, 041801.	7.8	150
45	Search for $B \rightarrow J/\psi K$ Decays. <i>Physical Review Letters</i> , 2020, 124, 041801.	7.8	148
46	Measurement of double charmonium production in e^+e^- annihilations at $\sqrt{s} = 10.6$ GeV. <i>Physical Review D</i> , 2005, 72, .	4.7	147
47	Measurement of the $B \rightarrow K^* \bar{K}^0$ Branching Fraction with a Sum over Exclusive Modes. <i>Physical Review Letters</i> , 2004, 93, 081802.	7.8	146
48	B , D and K decays. <i>European Physical Journal C</i> , 2008, 57, 309-492.	3.9	146
49	New observables in the decay mode $B \rightarrow D^* K^0$. <i>Journal of High Energy Physics</i> , 2008, 2008, 032-032.	4.7	142
50	Observation of a New D_s Meson Decaying to $D K^*$ at a Mass of 2.86 GeV. <i>Physical Review Letters</i> , 2006, 97, 222001.	7.8	139
51	Study of the $e^+e^- \rightarrow \psi(3686) \gamma$ process using initial state radiation with BABAR. <i>Physical Review D</i> , 2004, 70, .	4.7	138
52	Search for Hidden-Sector Bosons in $B \rightarrow K^* \gamma$. <i>Physical Review Letters</i> , 2015, 115, 161802.	7.8	138
53	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \bar{K}^0$. <i>Physical Review D</i> , 2006, 73, .	4.7	137
54	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	137

#	ARTICLE	IF	CITATIONS
55	Search for doubly charmed baryons Λ_{cc}^{++} and Σ_{cc}^{++} in BABAR. Physical Review D, 2006, 74, .	4.7	135
56	The $e^+e^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^0$, $\Lambda_c^+ \bar{\Lambda}_c^+$ and $K^+ \bar{K}^0$ cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2006, 73, .	4.7	128
57	Measurement of C and P -Averaged Observables in the $B \rightarrow D^0 K^0$ Decays. Physical Review Letters, 2020, 125, 011802.	7.8	128
58	Measurement of CP-Violating Asymmetries in B^0 Decays to CP Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.	7.8	125
59	Search for Lepton Flavor Violation in the Decay $\tilde{\nu}_\tau \rightarrow \tau \nu_\mu$. Physical Review Letters, 2005, 95, 041802.	7.8	124
60	Observation of an exotic narrow doubly charmed tetraquark. Nature Physics, 2022, 18, 751-754.	16.7	124
61	$\Lambda_c^+ \bar{\Lambda}_c^+$ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 52-59.	4.1	123
62	Measurements of Branching Fractions and CP-Violating Asymmetries in $B^0 \rightarrow \Lambda_c^+ \bar{\Lambda}_c^0, K^+ \bar{\Lambda}_c^0, K^+ \bar{K}^0$ Decays. Physical Review Letters, 2002, 89, 281802.	7.8	122
63	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector Meson Decays. Physical Review Letters, 2003, 91, 171802.	7.8	122
64	Structure at 2175 MeV in $e^+e^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^0$ observed via initial-state radiation. Physical Review D, 2006, 74, .	4.7	122
65	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \bar{\Lambda}_c^+$. Physical Review D, 2005, 71, .	7.8	122
66	$e^+e^- \rightarrow \Lambda_c^+ \bar{\Lambda}_c^0, \Lambda_c^+ \bar{\Lambda}_c^+, K^+ \bar{\Lambda}_c^0, K^+ \bar{K}^0$ cross sections at center-of-mass energies 0.5 to 4.5 GeV measured with initial-state radiation. Physical Review D, 2005, 71, .	4.7	119
67	Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2631.	3.9	117
68	Amplitude analysis of the $B \rightarrow D^0 K^0$ decay. Physical Review D, 2020, 102, .	4.7	117
69	Measurement of $b \rightarrow c$ hadron production fractions in 7 TeV collisions. Physical Review D, 2007, 75, 012001.	4.7	116
70	Measurement of $\Lambda_c^+ \bar{\Lambda}_c^+$ production fractions in 7 TeV collisions. Physical Review D, 2007, 75, 012001.	4.1	115
71	Observation of a Charmed Baryon Decaying to $D^0 p$ at a Mass Near $2.94 \text{ GeV}/c^2$. Physical Review Letters, 2007, 98, 012001.	7.8	114
72	Evidence for the decay $X \rightarrow D^0 p$. Physical Review Letters, 2007, 98, 012001.	2.5	114

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73	Search for $B \rightarrow X(3872)K, X(3872)\hat{1}^3$. Physical Review D, 2006, 74, .	4.7	113
74	Search for Dark Photons Produced in 13ÅTeV Collisions. Physical Review Letters, 2018, 120, 061801.	7.8	113
75	Differential branching fraction and angular analysis of the decay $B \rightarrow K \hat{1}^4 + \hat{1}^4 \hat{a}^{\sim}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	111
76	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7\text{Å TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	3.6	111
77	Model-independent Study of Structure in $B \rightarrow D$ Decays. Physical Review Letters, 2013, 110, 221601.	7.8	111
78	Evidence for Exotic Hadron Contributions to $B \rightarrow D$ Decays. Physical Review Letters, 2013, 110, 221601.	7.8	110
79	Violation of C and P Symmetry in the Decay $B \rightarrow \bar{D}^* \bar{K}^0$. Physical Review Letters, 2013, 110, 221601.	7.8	108
80	Study of the doubly charmed tetraquark B_c^+ . Nature Communications, 2022, 13, .	12.8	107
81	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7\text{Å TeV}$. European Physical Journal C, 2012, 72, 2025.	3.9	106
82	Search for Majorana Neutrinos in $B \rightarrow \bar{K}^0 \hat{1}^4 \hat{a}^{\sim}$ Decays. Physical Review Letters, 2014, 112, 131802.	7.8	106
83	First Observation of C and P Violation in the Decays of $B \rightarrow \bar{D}^* \bar{K}^0$. Physical Review Letters, 2013, 110, 221601.	7.8	105
84	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	16.7	105
85	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7\text{Å TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	3.6	104
86	Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7\text{Å TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	103
87	Differential branching fraction and angular analysis of the decay $B \rightarrow \bar{D}^* \bar{K}^0 \hat{1}^4 + \hat{1}^4 \hat{a}^{\sim}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	103
88	Observation of an Excited Charm Baryon Λ_c^* Decaying to $\Lambda_c^0 \bar{K}^0$. Physical Review Letters, 2006, 97, 232001.	7.8	102
89	Model-independent Evidence for C and P Violation in the Phase Space of $B \rightarrow \bar{D}^* \bar{K}^0$. Physical Review Letters, 2013, 111, 101801.	7.8	102
90	Measurement of C and P Violation in the Phase Space of $B \rightarrow \bar{D}^* \bar{K}^0$. Physical Review Letters, 2013, 111, 101801.	7.8	101

#	ARTICLE	IF	CITATIONS
91	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1. Dalitz plot analysis of $B \rightarrow D^0 \pi^+ \pi^-$. Physical Review D, 2014, 90, .	4.7	100
92	Search for Lepton Flavor Violation in the Decay $\tilde{\nu}_\tau \rightarrow e \mu \nu$. Physical Review Letters, 2006, 96, 041801.	4.7	99
93	Observation of Excited B_c Baryons. Physical Review Letters, 2012, 109, 172003.	7.8	98
94	Dalitz-plot analysis of the decays $B \rightarrow D^0 \pi^+ \pi^-$. Physical Review D, 2005, 72, .	4.7	97
95	Angular Analysis of the $B \rightarrow D^0 \pi^+ \pi^-$ Decay. Physical Review Letters, 2021, 126, 161802.	7.8	96
96	Improved Measurement of CP Asymmetries in $B \rightarrow D^0 \pi^+ \pi^-$ Decays. Physical Review Letters, 2005, 94, 161803.	7.8	95
97	Measurements of the $B \rightarrow X s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states. Physical Review D, 2005, 72, .	4.7	93
98	Amplitude analysis of $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^-$. Physical Review D, 2017, 95, .	7.8	93
99	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.	4.7	92
100	Study of the $X(3872)$ and $Y(4260)$ in $B \rightarrow J/\psi \ell \ell^* K$ and $B \rightarrow J/\psi \ell \ell^* K^*$ decays. Physical Review D, 2006, 73, .	4.7	84
101	On the new physics reach of the decay mode $B \rightarrow D^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2010, 2010, 1.	4.7	84
102	Measurements of the Mass and Width of the c -Meson and of an c (2S) Candidate. Physical Review Letters, 2004, 92, 142002.	7.8	83
103	Ganga: A tool for computational-task management and easy access to Grid resources. Computer Physics Communications, 2009, 180, 2303-2316.	7.5	83
104	Measurement of $\Upsilon(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	3.9	83
105	Study of D^0 meson decays to $D^0 \pi^+ \pi^-$, $D^0 \pi^+ \pi^0$ and $D^0 \pi^+ \pi^+ \pi^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	82
106	Measurement of the $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^0$ decays. Physical Review D, 2017, 95, .	7.8	82
107	Measurement of the $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^0$ decays. Physical Review D, 2017, 95, .	7.8	82
108	Measurement of the $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^0$ decays. Physical Review D, 2017, 95, .	7.8	82

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109	Differential branching fraction and angular analysis of $B^0 \rightarrow \rho^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2015, 2015, .	4.7	82
110	Search for the Decays $B \rightarrow \rho^0 \pi^+ \pi^-$ and $B \rightarrow \rho^0 \pi^+ \pi^-$. Physical Review Letters, 2017, 118, 251802.	7.8	81
111	Observation of a narrow meson decaying to $D_s \pi^0$ at a mass of 2.458 GeV/c ² . Physical Review D, 2004, 69, .	4.7	80
112	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X^+ K^0$. Physical Review D, 2005, 71, .	4.7	80
113	Search for long-lived scalar particles in $B \rightarrow \rho^0 \pi^+ \pi^-$ Dalitz plot analysis. Physical Review Letters, 2014, 112, 011801.	7.8	80
114	Measurement of the Cabibbo-Kobayashi-Maskawa Angle β in $B \rightarrow D^* \pi^0$ Decays with a Dalitz Analysis of $D^* \rightarrow K^0 \pi^+ \pi^-$. Physical Review Letters, 2005, 95, 121802.	4.7	80
115	Search for long-lived scalar particles in $B \rightarrow \rho^0 \pi^+ \pi^-$. Physical Review Letters, 2014, 112, 011801.	7.8	79
116	Violation in the Phase Space of $B \rightarrow \rho^0 \pi^+ \pi^-$. Physical Review Letters, 2014, 112, 011801.	4.7	79
117	Search for Structure in the $B \rightarrow \rho^0 \pi^+ \pi^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	7.8	78
118	Time-integrated and time-dependent angular analyses of $B \rightarrow \rho^0 \pi^+ \pi^-$: A measurement of $\cos^2 \theta_1$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	4.7	77
119	First observation of $B \rightarrow \rho^0 \pi^+ \pi^-$. Physical Review Letters, 2014, 112, 011801.	4.7	77
120	Particle and High-Energy Physics, 2011, 698, 115-122. Study of the production of ρ^0 and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
121	Observation of a New Resonance. Physical Review Letters, 2018, 121, 072002.	7.8	77
122	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^+ . Physical Review Letters, 2018, 121, 072002.	7.8	76
123	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^+ . Physical Review Letters, 2018, 121, 072002.	7.8	76
124	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^+ . Physical Review Letters, 2018, 121, 072002.	7.8	75
125	Observation of CP violation in $B \rightarrow \rho^0 \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.7	75
126	Observation of CP violation in $B \rightarrow \rho^0 \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.7	75

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127	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ differential branching ratio. Journal of High Energy Physics, 2016, 2016, 1.		75
128	Measurement of $C \rightarrow P$ violation and the $B \rightarrow C$ decay width difference with $B \rightarrow s$ components in $B \rightarrow C$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	74
129	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	74
130	Measurement of resonant and non-resonant $B \rightarrow C$ components in $B \rightarrow C$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	73
131	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via $\eta_c(1S) \rightarrow \gamma \gamma$. Journal of High Energy Physics, 2014, 2014, 1.		

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145	Study of the lineshape of the $\int_{\text{ETQq1}}^{\text{ETQq1}} \text{rgBT} / \text{Overlock} 10 \text{Tf} 50 732 \text{Td} (\text{stretchy}="false")$	4.7	66
146	Evidence for the Rare Decay $B \rightarrow K^* \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$ and Measurement of the $B \rightarrow K^* \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$ Branching Fraction. Physical Review Letters, 2003, 91, 221802.	7.8	65
147	Analysis of the resonant components in $D \rightarrow K^* \ell^+ \ell^-$	4.7	65
148	Search for the rare decay $D \rightarrow K^* \ell^+ \ell^-$	4.7	65
149	Measurement of the isospin asymmetry in $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2012, 2012, 165	4.7	65
150	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	4.7	65
151	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	65
152	Observation of $D \rightarrow K^* \ell^+ \ell^-$	7.8	65
153	Measurement of $C \rightarrow K^* \ell^+ \ell^-$ violation in the three-body phase space of charmless $C \rightarrow K^* \ell^+ \ell^-$ decays.	4.7	65
154	Violation in $C \rightarrow K^* \ell^+ \ell^-$	7.8	65
155	Exclusive Branching-Fraction Measurements of Semileptonic $B \rightarrow K^* \ell^+ \ell^-$ Decays into Three Charged Hadrons, $B \rightarrow K^* \ell^+ \ell^-$, and $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2008, 100, 011801.	7.8	64
156	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	16.7	64
157	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \ell^+ \ell^-$ decays. Physical Review D, 2004, 69, .	4.7	63
158	Dalitz plot analysis of the decay $B \rightarrow K^* K^* K^*$. Physical Review D, 2006, 74, .	4.7	63
159	First Observation of the Decay $B \rightarrow K^* \ell^+ \ell^-$	7.8	62
160	Determination of the Sign of the Decay Width Difference in the $B \rightarrow K^* \ell^+ \ell^-$ System	7.8	61
161	Measurement of $B \rightarrow K^* \ell^+ \ell^-$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV	7.8	61
162	Search for the rare decays $B \rightarrow K^* \ell^+ \ell^-$	4.1	60

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163	Analysis of the resonant components in $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ decays. Physical Review D, 2013, 87, .	4.7	60
164	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
165	Observation of the Decay $B \rightarrow J/\psi K^0$ and Search for $B \rightarrow J/\psi K^0$. Physical Review Letters, 2004, 93, 041801.	7.8	59
166	Precision measurement of the $B \rightarrow D^* \pi^0$ oscillation frequency with the decay $B \rightarrow D^* \pi^0$. New Journal of Physics, 2013, 15, 053021.	2.9	59
167	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	4.7	59
168	Determination of the Branching Fraction for $B \rightarrow X_c \pi^0$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	7.8	58
169	Observation of $B \rightarrow K^0 \pi^0$ and $B \rightarrow K^0 \pi^0$. Physical Review Letters, 2006, 97, 171805.	7.8	58
170	Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X_s \gamma$ and $ACP(B \rightarrow X_s \gamma)$. Physical Review Letters, 2006, 97, 171803.	7.8	58
171	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	4.1	58
172	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	3.9	58
173	Measurement of J/ψ Production in Continuum e^+e^- Annihilations near $\sqrt{s} = 10.6$ GeV. Physical Review Letters, 2001, 87, 162002.	7.8	57
174	Evidence for an $\eta_c(1S) \pi^0$ resonance in $B \rightarrow \eta_c(1S) K^0 \pi^0$.		

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181	Measurements of the $B \rightarrow D^0 p$ amplitude in $\bar{B} \rightarrow D^0 p$ decays. Journal of High Energy Physics, 2013, 2013, 147. https://arxiv.org/abs/1307.724 , 27-35.	4.1	54
182	Study of the $D^0 p$ amplitude in $\bar{B} \rightarrow D^0 p$ decays. Journal of High Energy Physics, 2017, 2017, 14.7		54
183	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	3.9	54
184	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2004, 70, .	4.7	53
185	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.	4.7	53
186	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	3.9	53
187	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ (892) Decay Amplitudes. Physical Review Letters, 2001, 87, 241801.	7.8	52
188	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
189	Measurement of the exclusive Υ production cross-section in pp collisions at $s = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
190	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ -Quark Production Cross Section in 7 and 13 TeV collisions. Physical Review Letters, 2017, 118, 052002.	7.8	52
191	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	4.7	52
192	Measurement of Branching Fractions and Search for CP-Violating Charge Asymmetries in Charmless Two-Body B Decays into Pions and Kaons. Physical Review Letters, 2001, 87, 151802.	7.8	51
193	Measurements of Branching Fractions and CP-Violating Asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2003, 91, 201802.	7.8	51
194	First Observation of the Decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 151803.	7.8	51
195	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^* \ell^+ \ell^-$ decay. European Physical Journal C, 2017, 77, 161.	3.9	51
196	Measurement of hadron fractions in 13 TeV collisions. Physical Review D, 2019, 100.	4.7	51
197	Measurement of $B \rightarrow K^* \ell^+ \ell^-$ decay properties and search for the $B \rightarrow K^* \ell^+ \ell^-$ decay. Physical Review D, 2022, 105.	4.7	51
198	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 181806.	7.8	50

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199	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
200	Search for the doubly charmed baryon Ξ_{cc}^{++} . Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
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202	First observation and amplitude analysis of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle$	4.7	50
203	Phys. Evidence of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle$ Violation in Charmless Two-Body Decays of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle$ Physical Review Letters, 2012, 108, 201601.	7.8	49
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295	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	34
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310	Search for the rare decays $B_c^0 \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$ and $B_c^0 \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	4.1	32
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335	Study of $B^0 \rightarrow \pi^+ \pi^-$, $B^0 \rightarrow \pi^+ \pi^-$ decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2005, 72, .	4.7	29
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389	Observation of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2017, 118, 111803.	7.8	25
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