

# Antonio Romero Vidal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6620922/publications.pdf>

Version: 2024-02-01

553  
papers

22,649  
citations

10351

72  
h-index

13727

129  
g-index

564  
all docs

564  
docs citations

564  
times ranked

8945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Observation of $B \rightarrow K^* \ell^+ \ell^-$	2.9	845
2	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$	2.9	816
3			



#	ARTICLE	IF	CITATIONS
19	<a href="#">Measurement of the Ratio of Branching Fractions <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi mathvariant="script" \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo</math></a>		

#	ARTICLE	IF	CITATIONS
37	Updated measurements of exclusive $J/\psi$ and $\psi(2S)$ production cross-sections in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ . Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.4	111
38	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
39	Evidence for Exotic Hadron Contributions to $B \rightarrow J/\psi K$ Decays. Physical Review Letters, 2016, 117, 082003.	2.9	110
40	Search for Majorana Neutrinos in $B \rightarrow \tau \nu$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
41	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow C P$ . Physical Review Letters, 2013, 110, 221601.	2.9	105
42	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
43	Exclusive $J/\psi$ and $\psi(2S)$ production in $pp$ collisions at $\sqrt{s} = 7\text{ TeV}$ . Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
44	Differential branching fraction and angular analysis of the decay $B_s \rightarrow \tau^+ \tau^- K$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
45	Contributions to $B \rightarrow J/\psi K$ Decays. Physical Review Letters, 2013, 111, 101801.	2.9	102
46	Measurement of $B \rightarrow C P$ Violation in the Phase Space of $B \rightarrow \tau^+ \tau^- K$ . Physical Review Letters, 2013, 111, 101801.	2.9	101
47	Measurements of prompt charm production cross-sections in $pp$ collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
48	Dalitz plot analysis of $B \rightarrow D K$ Decays. Physical Review D, 2014, 90.	1.6	99
49	Amplitude analysis of $B \rightarrow \tau^+ \tau^- K$ Decays. Physical Review D, 2014, 90.	1.6	92
50	First 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.	1.5	90
51	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
52	Kaonic helium-4 X-ray measurement in SIDDHARTA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 310-314.	1.5	87
53	Study of $D J$ meson decays to $D^+ \tau^+ K^-$ , $D^0 \tau^+ K^-$ and $D^+ \tau^+ K^0$ final states in $pp$ collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
54	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.	2.9	82

#	ARTICLE	IF	CITATIONS
55	Differential branching fraction and angular analysis of $B^0 \rightarrow \bar{D}^* K^0$ decays. Journal of High Energy Physics, 2015, 2015, . Search for the Decays $B \rightarrow D^* K^0$	1.6	82
56	and $B \rightarrow D^* K^0$	2.9	81
57	Dalitz plot analysis of $B \rightarrow D^* K^0$	2.9	80
58	Physical Review D, 2015, 91	1.6	80
59	Measurement of $B \rightarrow D^* K^0$	1.6	79
60	Violation in the Phase Space of $B \rightarrow D^* K^0$	2.9	78
61	Search for Structure in the $B \rightarrow D^* K^0$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	78
62	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	1.5	77
63	Observation of a New $B \rightarrow D^* K^0$	2.9	77
64	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^+$	2.9	76
65	and Mass with the $B \rightarrow D^* K^0$	2.9	75
66	Measurements of the S-wave fraction in $B^0 \rightarrow \bar{D}^* K^0$ decays and the $B^0 \rightarrow \bar{D}^* K^0$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
67	violation and the $B \rightarrow D^* K^0$ decay width difference with $B \rightarrow D^* K^0$	1.6	74
68	Study of $J/\psi$ 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	74
69	components in $B \rightarrow D^* K^0$	1.6	73
70	Measurement of the $\Sigma_c(1S)$ production cross-section in proton-proton collisions via		

#	ARTICLE	IF	CITATIONS
73	Amplitude analysis of $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.	1.6	72
74	Quantum numbers of the $B_c^0$ meson. <i>Physical Review D</i> , 2013, 87, 074012.	1.6	69
75	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	69
76	Measurement of the resonant and non-resonant components in $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.	1.6	67
77	First measurement of kaonic helium-3 X-rays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 697, 199-202.	1.5	65
78	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013, 2013, .	1.6	65
79	Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	65
80	Observation of $B \rightarrow D^* \pi^0$ oscillation. <i>Physical Review D</i> , 2013, 87, 074012.	2.9	65
81	Measurement of $B \rightarrow D^* \pi^0$ violation in the three-body phase space of charmless $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.	1.6	65
82	Precision measurement of $B \rightarrow D^* \pi^0$ violation in $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.	2.9	65
83	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017, 13, 391-396.	6.5	64
84	Measurement of $B \rightarrow D^* \pi^0$ in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2013, 87, 074012.	2.9	61
85	Analysis of the resonant component in $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.	1.6	61
86	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	60
87	Precision measurement of the $B \rightarrow D^* \pi^0$ oscillation frequency with the decay $B \rightarrow D^* \pi^0$ . <i>New Journal of Physics</i> , 2013, 15, 053021.	1.2	59
88	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	59
89	Evidence for an $\eta_c(1S)$ resonance in $B \rightarrow D^* \pi^0$ decays. <i>Physical Review D</i> , 2013, 87, 074012.		



#	ARTICLE	IF	CITATIONS
109	Structure near the $K^* \rightarrow p + p$ threshold in the in-flight $^3\text{He}(\bar{K}^0, \bar{K}^0) \rightarrow p + p$ reaction. Progress of Theoretical and Experimental Physics, 2016, 2016, 051D01.	1.8	48
110	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	2.9	48
111	Observation of Two Resonances in the $\bar{K}^0 \rightarrow p + p$ System and Precise Measurement of $\bar{K}^0 \rightarrow p + p$ . Physical Review Letters, 2015, 114, 062004.	2.9	48
112	Observation of Photon Polarization in the $\bar{K}^0 \rightarrow p + p$ Transition. Physical Review Letters, 2014, 112, 161801.	2.9	46
113	Study of prompt $D^0$ meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
114	Preliminary study of kaonic deuterium X-rays by the SIDDHARTA experiment at DAΦNE. Nuclear Physics A, 2013, 907, 69-77.	0.6	44
115	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
116	Measurement of $D^0 \rightarrow \pi^+ \pi^-$ Mixing Parameters and Search for $D^0 \rightarrow \pi^+ \pi^-$ . Physical Review Letters, 2014, 74, .	1.4	43
117	Study of $\chi_{c1}$ $b$ meson production in $p + p$ collisions at $\sqrt{s} = 7$ and $8$ TeV. European Physical Journal C, 2014, 74, .	1.4	43
118	Measurement of the $B_c^+ \rightarrow B^+ + \mu^+ + \nu_\mu$ meson lifetime using $B_c^+ \rightarrow \psi(2S) + \mu^+ + \nu_\mu$ . European Physical Journal C, 2014, 74, 2839.	1.4	43
119	Observation of an Excited $B_c^+$ State. Physical Review Letters, 2019, 122, 232001.	1.4	43
120	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
121	Measurement of the Difference of Time-Integrated $C \rightarrow P$ Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ . Journal of High Energy Physics, 2013, 2013, 1.	2.9	42
122	First observation of the decay $B_c^+ \rightarrow \psi(2S) + \mu^+ + \nu_\mu$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
123	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
124	Measurement of Antiproton Production in $^3\text{He}(\bar{K}^0, \bar{K}^0) \rightarrow p + p$ Collisions at $\sqrt{s} = 7$ and $8$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
125	Measurement of the CP-violating phase $\arg(V_{cb} V_{ub}^*)$ in $B_c^+ \rightarrow \psi(2S) + \mu^+ + \nu_\mu$ . Physical Review Letters, 2018, 121, 222001.	1.5	40
126			



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127	Precision Measurement of the Mass and Lifetime of the $\Lambda_c^+$ Baryon. Physical Review Letters, 2014, 113, 032002.	2.9	39
128	Study of the kinematic dependences of $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ production in pp collisions and a measurement of the $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
129	Study of $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
130	Search for beautiful tetraquarks in the $\bar{D}^*(1S) \rightarrow \Lambda_c^+ \Lambda_c^+$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
131	Search for $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ production in jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
132	Measurement of the $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 354, 255-259.	1.5	37
133	Measurement of the $\Lambda_c^+ \rightarrow \Lambda_c^+ \gamma$ atom lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 24-28.	1.6	37
134	Measurement of the forward-backward asymmetry in $Z \rightarrow \Lambda_c^+ \Lambda_c^- + \Lambda_c^+ \Lambda_c^0 + \Lambda_c^0 \Lambda_c^0$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
135	Production of associated $\Upsilon$ 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
136	Prompt and nonprompt $J/\psi$ production and nuclear modification in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
137	First observation of the decay $B \rightarrow \Lambda_c^+ \bar{K}^0 + \Lambda_c^+ \bar{K}^*$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
138	Measurement of the relative rate of prompt $\bar{D}^0$ , $\bar{D}^+$ and $\bar{D}^*$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
139	Amplitude analysis and branching fraction measurement of $B \rightarrow \Lambda_c^+ \bar{K}^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 318, 151-163.	1.6	36
140	Precision Measurement of the Mass and Lifetime of the $\Lambda_c^+$ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
141	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \Lambda_c^+ \bar{K}^0 + \Lambda_c^+ \bar{K}^*$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
142	Measurement of the CKM angle $\beta^3$ from a combination of $B \rightarrow \Lambda_c^+ \bar{K}^0$ and $B \rightarrow \Lambda_c^+ \bar{K}^*$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.6	35
143	Measurement of the differential branching fraction of the decay $B \rightarrow \Lambda_c^+ \bar{K}^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 253-255.	1.5	35
144	Evidence for the decay $B \rightarrow \Lambda_c^+ \bar{K}^0$ and measurement of the relative branching fractions of $B \rightarrow \Lambda_c^+ \bar{K}^0$ and $B \rightarrow \Lambda_c^+ \bar{K}^*$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 253-255.	0.9	35

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145	Precision Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:mi} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:m} \rangle 0 \langle \text{mml:m} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:math} \rangle B$ Lifetime. Physical Review Letters, 2013, 111, 102003.	1.5	35
146	Observation of the $\hat{b} \rightarrow 0 \hat{a}^+ J/\psi \pi^0 \hat{a}^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
147	Model-independent confirmation of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle 4430 \langle \text{mml:m} \rangle \langle \text{mml:m} \text{sup} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 56 657 T$ 2015, 92, .	1.5	34
148	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s} = 5 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, .	1.6	35
149	DIRAC: A high resolution spectrometer for pionium detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 467-496.	0.7	34
150	Measurement of the flavour-specific CP-violating asymmetry $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:math} \rangle$ in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle$	1.5	34
151	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
152	Angular moments of the decay $\hat{b} \rightarrow 0 \hat{a}^+ \hat{a}^- J/\psi \pi^0$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
153	Measurements of the strong-interaction widths of the kaonic $^3\text{He}$ and $^4\text{He}$ $2p$ levels. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 40-43.	1.5	33
154	Search for direct CP violation in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:m} \text{sup} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \rangle 0 \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \text{row} \rangle$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
155	Search for the rare decay $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:m} \text{sup} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \rangle 0 \langle \text{mml:m} \text{row} \rangle \langle \text{mml:m} \text{row} \rangle$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
156	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	1.5	33
157	Study of $\hat{\nu} \nu$ production and cold nuclear matter effects in pPb collisions at $s_{NN} = 5 \sqrt{s} = 5 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
158	Measurement of forward $Z \hat{a}^+ e^+ e^-$ production at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
159	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \hat{a}^+ e^+ \hat{a}^-$ and $B \rightarrow \hat{a}^+ e^+ \hat{a}^-$ . Physical Review Letters, 2013, 111, 914180	1.5	32
160	Observation of the decay $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{mathvariant="bold"} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:mo} \rangle \hat{a}^+ \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\nu} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{mathvariant="bold"} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 2 \langle \text{mml:m} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq0 0 0 rgBT /Overlock 1$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{Asymmetry in } \langle \text{mml:math} \rangle$	1.6	32
161	Measurement of the forward $Z \hat{a}^+ e^+ e^-$ production at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
162	Search for the lepton flavour violating decay $\hat{\nu}_\tau \hat{a}^+ \hat{a}^- \hat{\nu}_\tau \hat{\nu}_\tau + \hat{\nu}_\tau \hat{\nu}_\tau \hat{a}^+$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	32

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163	Measurement of the ratio of $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ and $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ fractions to $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	31
164	Measurement of the ratio of $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ and $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ fractions to $\langle \mathcal{B}(B \rightarrow D^* K^0) / \mathcal{B}(B \rightarrow D^* K^+) \rangle$ in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	31
165	Search for violations of Lorentz invariance and $CPT$ symmetry in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.5	31
166	Measurement of $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	2.9	31
167	Measurement of charged particle multiplicities and densities in $pp$ collisions at $\sqrt{s} = 7$ TeV in the forward region. <i>European Physical Journal C</i> , 2014, 74, 2888.	1.6	30
168	Amplitude analysis of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays in $pp$ collisions. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	30
169	Measurement of $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	2.9	30
170	Forward production of $\Upsilon$ mesons in $pp$ collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	30
171	Angular analysis of the $B^0 \rightarrow K^* K^0 e^+ e^-$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	30
172	Central exclusive production of $J/\psi$ and $\Upsilon(2S)$ mesons in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	30
173	Study of $D^* \rightarrow D^0 K^+$ and $D^* \rightarrow D^+ K^0$ final states in $pp$ collisions. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	29
174	Measurement of the lifetime of the $B_c$ meson using the $B_c \rightarrow D^* K^0 e^+ e^-$ decay. <i>Physical Review D</i> , 2017, 96, 1.	1.6	29
175	Measurement of the CKM angle $\beta$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	29
176	Measurement of the shape of the $B^0 \rightarrow D^* K^0 e^+ e^-$ differential decay rate. <i>Physical Review D</i> , 2017, 96, 1.	1.6	29
177	Near-threshold $D^* \overline{D}^*$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	29
178	Measurement of the $B^0 \rightarrow K^* K^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	28

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181	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
182	First Observation of a Baryonic $B_c$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
183	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ . Physical Review Letters, 2017, 119, 062001.	2.9	28
184	Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^- \pi^0$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
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187	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B^0 \rightarrow D^+ K^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	0.9	27
188	Evidence for $B^0 \rightarrow D^+ \bar{K}^0$ violation in $B^0 \rightarrow D^+ \bar{K}^0$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
189	Measurement of $\Upsilon(1S)$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
190	First Observation of $B^0 \rightarrow D^+ \bar{K}^0$ Oscillations in $B^0 \rightarrow D^+ \bar{K}^0$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
191	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ . Journal of High Energy Physics, 2014, 2014, .	1.6	26
192	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
193	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
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195	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
196	Measurement of the forward energy flow in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
197	Observation of the decay $B_c^+ \rightarrow J/\psi K^+ K^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
198	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

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200	Observation of the Annihilation Decay Mode $\Lambda_b^0 \rightarrow \bar{K}^* \pi^0$	2.9	25
201	Observation of the Annihilation Decay Mode $\Lambda_b^0 \rightarrow \bar{K}^* \pi^0$	2.9	25
202	Observation of $\Lambda_b^0 \rightarrow \bar{K}^* \pi^0$ Decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
203	Measurements of the branching fractions of $B^+ \rightarrow \rho^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
204	Observations of $B^+ \rightarrow \rho^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462.	0.9	24
205	Observation of $B^+ \rightarrow \rho^+ K^+$ Decays and Measurement of the $\theta_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
206	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
207	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
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210	Evidence for the Rare Decay $\Lambda_b^0 \rightarrow \bar{K}^* \pi^0$	2.9	24
211	Observation of the Annihilation Decay Mode $\Lambda_b^0 \rightarrow \bar{K}^* \pi^0$	2.9	24
212	Detection of $\bar{K}^0$ atoms with the DIRAC spectrometer at CERN. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 1929-1946.	1.4	23
213	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^+$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228.	1.5	23
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215	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
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218	Model-independent search for CP violation in $B \rightarrow \pi \pi$ decays. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633.	1.5	22
219	First observations of $B \rightarrow \pi^0 \pi^+ \pi^-$ , $D_s \rightarrow \pi^+ \pi^-$ and $D \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2013, 87, .	1.6	22
220	Measurement of the $B \rightarrow \pi^0 \pi^+ \pi^-$ asymmetry in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013, 110, 031801.	2.9	22
221	Measurement of the CKM angle $\beta_3$ using $B \rightarrow \pi^+ \pi^- DK$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	22
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224	Measurement of the $B \rightarrow \pi^0 \pi^+ \pi^-$ asymmetry in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013, 110, 031801.	2.9	22
225	Measurement of the $B \rightarrow \pi^0 \pi^+ \pi^-$ asymmetry in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013, 110, 031801.	2.9	21
226	Search for CP violation using T-odd correlations in $D \rightarrow \pi^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	21
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228	A precise measurement of the $B^0$ meson oscillation frequency. <i>European Physical Journal C</i> , 2016, 76, 412.	1.4	21
229	Measurement of the properties of the $\Lambda_b$ baryon. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	21
230	Observation of the decay $B \rightarrow \pi^0 \pi^+ \pi^-$ and evidence for $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 181805.	1.6	21
231	Observation of $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 181805.	2.9	21
232	Search for the lepton-flavour violating decays $B_0 \rightarrow \pi^+ \pi^- \tau^+ \tau^-$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	21
233	First observation of $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 181805.	1.6	20
234	Measurements of $B \rightarrow \pi^0 \pi^+ \pi^-$ asymmetries in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2014, 112, 041801.	2.9	20

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237	Study of $B_c^+$ decays to the $K^+ K^0 \pi^+$ final state and evidence for the decay $B_c^+ \rightarrow K^+ \pi^0 \pi^+$ . Physical Review D, 2016, 94, .	1.6	20
238	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^- \pi^+$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
239	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ \pi^-$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
240	Studies of the resonance structure in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review D, 2016, 93, .	1.6	20
241	First Experimental Study of Photon Polarization in Radiative $B_s^0$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
242	Measurement of the CP Violation Parameter $A_{FB}^{\ell}$ in $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
243	Evidence for the decay $B^0 \rightarrow K^+ K^- \pi^0$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
244	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	1.6	20
245	Precision measurement of the $B^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review Letters, 2018, 120, 021801.	1.6	20
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254	Measurement of the fraction of $\Lambda_c^+$ (1S) originating from $\Lambda_c^+(1P)$ decays in pp collisions at $\sqrt{s}=7, \text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
255	First $\bar{K}^0$ atom lifetime and $\bar{K}^0$ scattering length measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 288-294.	1.5	18
256	Measurement of $C \rightarrow P$ violation in $B \rightarrow s \ell^+ \ell^-$ decays. Physical Review D, 2014, 90, .	1.6	18
257	Measurement of forward $W^+ e^+ \nu_e$ production in pp collisions at $\sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
258	Measurement of $B \rightarrow p \ell^+ \ell^-$ and $B \rightarrow n \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 361, 1-6.	1.5	18
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260	Measurement of the mass and production rate of $\Lambda_c^+$ baryons. Physical Review D, 2019, 99, .	1.6	18
261	Observation of $B^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
262	Measurement of the effective $B \rightarrow s \ell^+ \ell^-$ branching fraction. Nuclear Physics B, 2013, 873, 409-417.	0.9	17
263	Measurement of the polarization amplitudes in $B \rightarrow s \ell^+ \ell^-$ decays. Physical Review D, 2013, 87, 074011.	0.9	17
264	Measurement of the $B \rightarrow s \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2014, 112, 111802.	1.6	17
265	Search for the decay $B_s^0 \rightarrow D^0 \ell^+ \ell^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
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268	Observation of $\bar{B}^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ (2S) $\bar{K}^0$ and $\bar{B}^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ decays and a measurement of the $\bar{B}^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ baryon. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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270	Measurement of the $B \rightarrow s \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2017, 118, 081801.	1.5	17



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273	Improved limit on the branching fraction of the rare decay $K^0 \rightarrow \mu^+ \mu^- K^0$ . European Physical Journal C, 2017, 77, 678.	1.4	17
274	Observation of the $B^0 \rightarrow K^+ K^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
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276	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.6	17
277	Measurement of the $B^0 \rightarrow \mu^+ \mu^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
278	Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
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293	Observation of the suppressed decay $\bar{B}^0 \rightarrow \bar{D}^* K^* \bar{0}$ . Journal of High Energy Physics, 2017, 2017, 1.		15
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297	Measurement of the Charm-Mixing Parameter $\gamma_{CP}$ . Physical Review Letters, 2019, 122, 011802.	2.9	15
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299	Evidence for $\bar{K}$ -atoms with DIRAC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 11-16.	1.5	14
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301	Study of $B_{(s)}^0 \rightarrow K_S^0 h^+ h'^-$ decays with first observation of $B_{(s)}^0 \rightarrow K_S^0 K^* \pi^+$ and $B_{(s)}^0 \rightarrow K_S^0 K^* \pi^+$ . Journal of High Energy Physics, 2013, 2013, .	1.6	14
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304	Measurement of CP violation parameters in $B \rightarrow D^* K^* \bar{0}$ decays. Physical Review D, 2014, 90, .	1.6	14
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309	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau(2S) \bar{\nu}_\tau) / B(B_c \rightarrow \tau \bar{\nu}_\tau)$ . Physical Review D, 2015, 92, .	1.6	14
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314	Study of $\bar{\nu}_\tau(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
315	First Observation of a Baryonic $B \rightarrow \tau^+ K^0$ decay. Physical Review Letters, 2017, 119, 041802.	1.4	14
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320	Search for CP violation in $B \rightarrow \tau^+ K^0$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
321	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$ . Journal of High Energy Physics, 2013, 2013, .	1.6	13
322	Measurement of the time-dependent CP asymmetry in $B \rightarrow \tau^+ K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	2.9	13
323	Search for the rare decay $B \rightarrow \tau^+ K^0$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
324	Measurement of the CP asymmetry in $B \rightarrow \tau^+ K^0$ decay. Physical Review Letters, 2014, 112, 112001.	2.9	13

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326	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
327	Measurement of the $B^0 \rightarrow K^+ K^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 154-162.	1.5	13
328	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* K^0$ . Journal of High Energy Physics, 2014, 2014, 1.	1.5	13
329	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
331	Observation of the decay $B^0 \rightarrow K^+ K^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	1.5	13
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333	Study of $\hat{\Gamma}^3$ mixing from measurement of $B(s) \rightarrow K^+ K^-$ decay rates. Journal of High Energy Physics, 2015, 2015, .	1.6	13
334	Measurement of the ratio of branching fractions $\hat{\Gamma}^3(B^0 \rightarrow K^+ K^-) / \hat{\Gamma}^3(B^0 \rightarrow K^+ K^0)$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
335	K-series X-ray yield measurement of kaonic hydrogen atoms in a gaseous target. Nuclear Physics A, 2016, 954, 7-16.	0.6	13
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