

David Gascon

List of Publications by Year in descending order

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Version: 2024-02-01

476
papers

20,091
citations

20036

63
h-index

18400

124
g-index

489
all docs

489
docs citations

489
times ranked

10859
citing authors

#	ARTICLE	IF	CITATIONS
1	HRFlexToT: A High Dynamic Range ASIC for Time-of-Flight Positron Emission Tomography. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 51-67.	2.7	16
2	FastIC: a fast integrated circuit for the readout of high performance detectors. Journal of Instrumentation, 2022, 17, C05027.	0.5	7
3	LHCb Collaboration. Nuclear Physics A, 2021, 1005, 122093.	0.6	0
4	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 057-057.	1.9	46
5	Measurement of differential $\overline{b\bar{b}}$ and $\overline{c\bar{c}}$ dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
6	Measurement of the CKM angle $\hat{\beta}^3$ in $B_{\pm} \rightarrow DK_{\pm}^*$ and $B_{\pm} \rightarrow D^* K_{\pm}^*$ decays with $D^* \rightarrow S^0 \pi^{\pm} h^{\pm}$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
7	Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048-048.	1.9	41
8	Search for long-lived particles decaying to $e^{\pm} \mu^{\pm} \nu^{\pm}$. European Physical Journal C, 2021, 81, 1.	1.4	9
9	Search for heavy neutral leptons in $W^{\pm} \rightarrow \mu^{\pm} \mu^{\pm}$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	1.4	15
10	Search for heavy neutral leptons in $W^{\pm} \rightarrow \mu^{\pm} \mu^{\pm}$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	1.4	15
11	Multiple Use SiPM Integrated Circuit (MUSIC) for Large Area and High Performance Sensors. Electronics (Switzerland), 2021, 10, 961.	1.8	10
12	20-ps Resolution Clock Distribution Network for a Fast-Timing Single-Photon Detector. IEEE Transactions on Nuclear Science, 2021, 68, 434-446.	1.2	1
13	Observation of the $\bar{b} \rightarrow c + K^* \ell^+$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	1.5	1
14	Conceptual design of BabyIAXO, the intermediate stage towards the International Axion Observatory. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
15	Searches for 25 rare and forbidden decays of D^+ and D_s^+ mesons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
16	Multimodal simulation of large area silicon photomultipliers for time resolution optimization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1001, 165247.	0.7	9
17	MATRIX16: A 16-Channel Low-Power TDC ASIC with 8 ps Time Resolution. Electronics (Switzerland), 2021, 10, 1816.	1.8	4
18	Observation of new excited $B^0_{(s)}$ states. European Physical Journal C, 2021, 81, .	1.4	9

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19	Measurement of performance of the NectarCAM photodetectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1007, 165413.	0.7	2
20	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
21	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	2.9	10
22	Observation of structure in the J/ψ -pair mass spectrum. Science Bulletin, 2020, 65, 1983-1993.	4.3	212
23	Precision measurement of the B_c^+ meson mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
24	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 101, . http://www.w3.org/1998/Math/MathML	1.6	8
25	Isospin Amplitudes in $B \rightarrow \pi \pi$ decays $\frac{A(B^0 \rightarrow \pi^+ \pi^-)}{A(B^0 \rightarrow \pi^0 \pi^0)} = \frac{1}{\sqrt{2}} \frac{A(B^0 \rightarrow \pi^+ \pi^-)}{A(B^0 \rightarrow \pi^0 \pi^0)}$		

#	ARTICLE	IF	CITATIONS
37	Test of lepton universality with $\Lambda_b^0 \rightarrow p K^+ \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
38	Observation of New $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$ Baryons Decaying to $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$	2.9	45
39	First Observation of Excited $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$ States. Physical Review Letters, 2020, 124, 082002.	2.9	44
40	Measurement of the $\Lambda_b^0 \rightarrow p \pi^0 \ell^+ \ell^-$ angular distribution and the $\Lambda_b^0 \rightarrow p \pi^0 \ell^+ \ell^-$ polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
41	Measurement of $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$ -Averaged Observables in the $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$ decay. Physical Review Letters, 2020, 125, 011802.	2.9	128
42	Measurement of CP observables in $B_{d,s}^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
43	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
44	Measurement of $\Lambda_c^+ \rightarrow p \pi^0 \ell^+ \ell^-$ production in pp collisions at $\sqrt{s} = 13$ TeV. Chinese Physics C, 2020, 44, 022001.	1.5	16
45	Determination of quantum numbers for several excited charmed mesons observed in $B_c^+ \rightarrow D^+ \ell^+ \ell^-$ decays. Physical Review D, 2020, 101, .	1.6	21
46	Amplitude analysis of the $B_c^+ \rightarrow D^+ \ell^+ \ell^-$ decay. Physical Review D, 2020, 101, .	1.6	42
47	Violation in $B_c^+ \rightarrow D^+ \ell^+ \ell^-$ Physical Review Letters, 2020, 124, 031801.	2.9	32
48	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and 13 TeV. European Physical Journal C, 2020, 80, .	1.4	8
49	Search for $B_c^+ \rightarrow D^+ \ell^+ \ell^-$ with $B_c^+ \rightarrow D^+ \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 124, 041801.	1.6	28
50	Search for the lepton flavour violating decay $B_c^+ \rightarrow K^+ \ell^+ \ell^-$, using $B_c^+ \rightarrow K^+ \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
52	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow p \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
53	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
54	Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D^0 p K^+$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13

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55	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B \rightarrow K^* e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
56	Measurement of the $\eta(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
57	Search for CP violation in $\chi^0 \rightarrow K^+ \pi^-$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
58	Measurement of branching fraction ratios for $B \rightarrow D^* D^+ K^+$, $B \rightarrow D^* D^+ K^+$, and $B \rightarrow D^* D^0 K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
59	Measurement of the shape of the $B_s \rightarrow D_s^* \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1. First observation of the decay $B_s \rightarrow D_s^* \mu^+ \mu^-$	1.6	7
60	Observation of the decay $B \rightarrow D^* \mu^+ \mu^-$	1.6	0
61	Observation of the semileptonic decay $B \rightarrow D^* \mu^+ \mu^-$. Journal of High Energy Physics, 2020, 2020, .	1.6	4
62	Measurement of CP violation in $B \rightarrow D^* D^+ K^+$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
63	High Sensitivity and High Resolution Dynamic Brain-Dedicated TOF-DOI PET Scanner. , 2020, , .		3
64	Measurement of the branching fractions of the decays $D \rightarrow D^* K^+ K^+$, $D \rightarrow D^* \bar{K}^0 K^+$ and $D \rightarrow D^* \bar{K}^0 K^+$. Journal of High Energy Physics, 2019, 2019, .	1.6	6
65	Study of the $B \rightarrow D^* K^*$ decay with an amplitude analysis of $B \rightarrow D^* (\bar{K}^0 K^+)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
66	Measurement of the ratio of branching fractions of the decays $B \rightarrow D^* \bar{K}^0 K^+$ and $B \rightarrow D^* \bar{K}^0 K^+$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
67	Dalitz plot analysis of the $D \rightarrow D^* K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1. Precision measurement of the $B \rightarrow D^* \mu^+ \mu^-$	1.6	10
68	Measurement of the branching fraction and CP asymmetry in $B \rightarrow D^* \mu^+ \mu^-$	1.6	20
69	Amplitude analysis of $B \rightarrow D^* K^0 K^+$ decays. Journal of High Energy Physics, 2019, 2019, 1. First Observation of the Radiative Decay $B \rightarrow D^* \mu^+ \mu^-$	1.6	12
70	Measurement of the branching fraction and CP asymmetry in $B \rightarrow D^* \mu^+ \mu^-$	2.9	19
71	Measurement of the branching fraction and CP asymmetry in $B \rightarrow D^* \mu^+ \mu^-$	1.4	3
72	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	2.9	55

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73	Near-threshold \overline{D} spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
74	LHCb Collaboration. Nuclear Physics A, 2019, 982, 1040-1050.	0.6	0
75	Amplitude analysis of the $B_{(s)}^0 \rightarrow K^0 \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^0 \overline{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
76	Observation of New Resonances in the $B^0 \rightarrow K^0 \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^0 \overline{K}^0$ decay. Sys. Physical Review Letters, 2019, 123, 152001.	2.9	49
77	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
78	Measurements of CP asymmetries in charmless four-body Λ_b^0 and Ξ_b^0 decays. European Physical Journal C, 2019, 79, 1.	1.4	11
79	Measurement of hadron fractions in 13.6 TeV $p\bar{p}$ collisions. Physical Review D, 2019, 100,	1.6	51
80	Measurement of the relative $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0}$ branching fractions using B^0 mesons from $B^0 \rightarrow D^0 D^{*0}$ decays. Physical Review D, 2019, 99, .	1.6	3
81	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
82	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	1.4	11
83	Measurement of the CP-violating phase γ from $B^0 \rightarrow \mu^+ \mu^-$ decays. Physics Letters, 2019, 811, 257-260.	1.5	6
84	Observation of the $\Lambda_b^0 \rightarrow \psi(3712) p \bar{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
85	Measurement of the Charm-Mixing Parameter γ_{CP} . Physical Review Letters, 2019, 122, 011802.	2.9	15
86	Observation of $B^0 \rightarrow \mu^+ \mu^-$ decays. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	9
87	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	135
88	Measurement of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
89	Observation of a Narrow Pentaquark State $P_c(4450)^+$. Physical Review Letters, 2019, 123, 152001.	2.9	157
90	Observation of a Narrow Pentaquark State $P_c(4450)^+$. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57	2.9	157

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91	Observation of an Excited B_c State. Physical Review Letters, 2019, 122, 232001.	2.9	355
92	Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191801.	2.9	355
93	Observation of the doubly Cabibbo-suppressed decay $\tilde{B}_s^0 \rightarrow \pi^+ \pi^- \pi^0$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
94	Model-Independent Observation of Exotic Contributions to $B \rightarrow \pi^0 \pi^0$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
95	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
96	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	2.9	48
97	Measurement of the mass and production rate of \tilde{B}_s^0 barvons. Physical Review D, 2019, 99, .	1.6	18
98	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	1.9	35
99	Prompt $b+c$ production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
100	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	0.5	7
101	A search for χ_{cc}^{++} $D^+ p K^+ \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
102	A High Dynamic Range ASIC for Time of Flight PET with pixelated and monolithic crystals. , 2019, , .		5
103	Plastic Scintillator Detector with the Readout Based on an Array of Large-Area SiPMs for the ND280/T2K Upgrade and SHiP Experiments. , 2019, , .		4
104	Measurement of CP violation in the $B_s^0 \rightarrow \pi^+ \pi^- \pi^0$ decay and search for the $B^0 \rightarrow \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
105	Optimal design of single-photon sensor front-end electronics for fast-timing applications. , 2019, , .		7
106	Multimodal Simulation of Large Area Silicon Photomultipliers for Time Resolution Optimization. , 2019, , .		1
107	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2019, 99, .	1.6	12
108	Search for the Lepton-Flavor-Violating Decays $B \rightarrow \pi^0 \ell^+ \ell^-$ and $B \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ and $B \rightarrow \pi^0 \pi^0 \ell^+ \ell^-$ and $B \rightarrow \pi^+ \pi^- \pi^0 \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 122, 152002.	1.6	12

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109	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau^+ K + \bar{l} \frac{1}{4} \hat{A} \pm e^{\pm}$. Physical Review Letters, 2019, 123, 241802.	2.9	18
110	Measurement of C -Violating and Mixing-Induced Observables in $B \rightarrow P$ -Violating and Mixing-Induced Observables in $B \rightarrow P$ Decay. Amplitude Analysis of $B \rightarrow P$ Decay.	2.9	10
111	Measurement of Charged Hadron Production in Z -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2019, 123, 232001.	2.9	38
112	Auto-Calibrating TDC for an SoC-FPGA Data Acquisition System. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 549-556.	2.9	10
113	Observation of Two Resonances in the $B \rightarrow K^* K$ Decays. Physical Review Letters, 2019, 123, 232001.	2.7	7
114	Systems and Precise Measurement of $B \rightarrow K^* K$ Decays. Physical Review Letters, 2019, 123, 232001.	2.9	48
115	A timing detector for the SHiP experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 369-372.	0.7	4
116	A High Dynamic Range ASIC for Time of Flight PET with monolithic crystals. , 2019, , .		1
117	Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
118	Search for Dark Photons Produced in 13.6 TeV pp Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
119	PACIFIC: SiPM readout ASIC for LHCb upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 354-358.	0.7	1
120	First observation of forward $Z \rightarrow b \bar{b}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
121	Measurement of CP observables in $B \rightarrow D^* K^*$ and $B \rightarrow D^* \bar{K}^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.5	15
122	A measurement of the CP asymmetry difference between $B \rightarrow K^* K^*$ and $B \rightarrow \bar{K}^* \bar{K}^*$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
123	Measurement of CP asymmetry in $B \rightarrow D^* K^*$ decays. Journal of High Energy Physics, 2018, 2018, 1.6	1.6	13
124	Search for the lepton-flavour violating decays $B_0 \rightarrow \tau^+ \tau^- \frac{1}{4} \hat{A} \pm e^{\pm}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
125	First measurement of the CP-violating phase $\phi_{\overline{D}}$ in $B \rightarrow D^* (K^* \bar{K}^*)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
126	Test of lepton flavor universality by the measurement of the branching fraction using three-prong $B \rightarrow D^* K^* K^*$ decays. Physical Review D, 2018, 97, .	1.6	189

#	ARTICLE	IF	CITATIONS
127	Measurement of the Ratio of the Branching Fractions $\frac{B^0 \rightarrow D^+ \pi^-}{B^0 \rightarrow D^0 \pi^+}$ and $\frac{B^0 \rightarrow D^+ \pi^-}{B^0 \rightarrow D^0 \pi^+}$		204
128			



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145	Studies of the resonance structure in $D^0 \rightarrow K^* \pi^+ \pi^- \pi^0$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
146	Angular moments of the decay $B^0 \rightarrow \rho^+ \rho^- \pi^0$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
147	Measurement of $Z \rightarrow \bar{c} c$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
148	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{\pm} \rightarrow \Lambda^{\pm} \rho^0 \pi^{\pm}$. Physical Review Letters, 2018, 121, 092003.	2.9	122
149	Measurement of the CKM angle β^3 using $B_{\pm}^0 \rightarrow D^{\pm} K^{\pm}$ with $D^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
150	Measurement of $D_{\pm}^* s$ production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
151	Measurement of Angular and $\Lambda_{cc}^{\pm} \rightarrow \Lambda^{\pm} \rho^0 \pi^{\pm}$ Asymmetries in $\Lambda_{cc}^{\pm} \rightarrow \Lambda^{\pm} \rho^0 \pi^{\pm}$ decays. Physical Review Letters, 2018, 121, 092003.	2.9	13
152	Measurement of the $\Lambda_{cc}^{\pm} \rightarrow \Lambda^{\pm} \rho^0 \pi^{\pm}$ Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	2.9	23
153	Evidence for the decay $B^0 \rightarrow \rho^+ \rho^- \pi^0$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
154	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
155	Observation of the decay $B^0 \rightarrow \rho^+ \rho^- \pi^0$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
156	Measurement of the CP asymmetry in $B^0 \rightarrow \rho^+ \rho^- \pi^0$ and $B^0 \rightarrow \rho^+ \rho^- \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
157	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \rho^+ \rho^- \pi^0$, $B^0 \rightarrow \rho^+ \rho^- \pi^0$ and $B^0 \rightarrow \rho^+ \rho^- \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
158	Search for the rare decay $B^0 \rightarrow \rho^+ \rho^- \pi^0$. Physical Review D, 2018, 97, .	1.6	17
159	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	1.6	7
160	First observation of $B^0 \rightarrow D^+ K^-$ decays and a search for $B^0 \rightarrow D^+ K^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
161	Measurements of the branching fractions of $B^0 \rightarrow \rho^+ \rho^- \pi^0$, $B^0 \rightarrow \rho^+ \rho^- \pi^0$, and $B^0 \rightarrow \rho^+ \rho^- \pi^0$. Journal of High Energy Physics, 2018, 2018, .	1.6	10
162	Measurement of CP violation in $B^0 \rightarrow \rho^+ \rho^- \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4

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163	Amplitude Analysis of the Decay $B^0 \rightarrow K^* \rho^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^* \rho^0$ (892). Physical Review Letters, 2018, 120, 261801.	2.9	14
164	Search for B_c^+ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	0.9	8
165	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . Physical Review Letters, 2018, 121, 052002.	2.9	76
166	Measurement of branching fractions of charmless four-body $\bar{b} \rightarrow b \bar{0}$ and $\bar{b} \rightarrow b \bar{0}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
167	Observation of the decay $\bar{b} \rightarrow \bar{c} + p \bar{p} + \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	1.5	8
168	Observation of a New Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	77
169	Evidence for the Rare Decay $B^0 \rightarrow \pi^0 \rho^0$. Physical Review Letters, 2018, 120, 221802.	2.9	24
170	Application of SiPM arrays for the readout of a scintillator based time-of-flight detector. , 2018, , .		0
171	Search for the CP-violating strong decays $\bar{b} \rightarrow \bar{c} + \rho^0$ and $\bar{b} \rightarrow \bar{c} + \rho^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
172	Search for the suppressed decays $B^0 \rightarrow K^* K^0$ and $B^0 \rightarrow K^* K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
173	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
174	Amplitude analysis of $B^0 \rightarrow \pi^0 \rho^0$. Physical Review D, 2017, 95, 072002.	1.6	92
175	Consistent with Exotic States from Amplitude Analysis of $B^0 \rightarrow \pi^0 \rho^0$ Structures. Physical Review D, 2017, 95, 072002.	2.9	150
176	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^0 \rho^0$. Physical Review Letters, 2017, 118, 081801.	2.9	25
177	First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
178	Measurement of forward $B^0 \rightarrow \pi^0 \rho^0$. Physical Review Letters, 2017, 118, 021801.	1.5	7
179	Measurement of the $B^0 \rightarrow \pi^0 \rho^0$ -Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	1.6	21
180	Measurement of the $B^0 \rightarrow \pi^0 \rho^0$ -Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52

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181	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
182	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $B^0 \rightarrow D^0 \rho^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 11.6		54
183	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
184	Observation of $B^+ \rightarrow \rho^+ \pi^+ \pi^-$ and $B^+ \rightarrow \rho^+ \pi^+ \pi^0$ decays. European Physical Journal C, 2017, 77, 72.	1.4	7
185	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
186	Observation of the Decay $B^0 \rightarrow \rho^+ \pi^-$. Physical Review Letters, 2017, 118, 071801.	2.9	9
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227	Study of $\overline{b} \rightarrow b$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	10
228	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	7
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231	First Observation of a Baryonic $B \rightarrow \pi \pi$ Decay. <i>Physical Review Letters</i> , 2017, 119, 041802.	1.4	14
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244	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
245	Observation of $\bar{b} \rightarrow b \ell^+ \ell^- (2S) p K^+$ and $\bar{b} \rightarrow b \ell^+ \ell^- \ell^+ \ell^- p K^+$ decays and a measurement of the $\bar{b} \rightarrow b$ baryon mixing. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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273	Measurement of the mass and lifetime of the $B_s^0 \rightarrow D^0 + K^0$ baryon. Physical Review D, 2016, 93, .	1.6	20
274	Measurement of the mass and lifetime of the $B_s^0 \rightarrow D^0 + K^0$ baryon. Physical Review D, 2016, 93, .	1.6	13
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278	Constraints on the unitarity triangle angle β_3 from Dalitz plot analysis of $B \rightarrow D^* + K$. Physical Review D, 2016, 93, .	1.6	13
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291	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- S^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
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304	Dalitz plot analysis of $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Physical Review D, 2015, 92, .	1.6	80
305	Study of $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Physical Review D, 2015, 92, .	1.6	22
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308	Violation in $B \rightarrow J/\psi \ell^+ \ell^-$ Physical Review Letters, 2015, 115, 031601.	2.9	30
309	Observation of the $B_s \rightarrow J/\psi \ell^+ \ell^-$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
310	Observation of $B \rightarrow J/\psi \ell^+ \ell^-$ Resonances Consistent with Pentaquark States in $B \rightarrow J/\psi \ell^+ \ell^-$	2.9	816
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327	Measurement of forward $Z \rightarrow e^+ e^-$ production at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
328	Differential branching fraction and angular analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
329	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow K^+ K^-$. Journal of High Energy Physics, 2015, 2015, .	1.6	12
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346	Measurement of the Semileptonic $B \rightarrow D^0 \pi^0$ Asymmetry in $B \rightarrow D^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2015, 114, 132001.	2.9	32
347	Violation in $B \rightarrow D^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2015, 114, 132001.	2.9	65
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