

Federico Leo Redi

List of Publications by Year in descending order

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291
papers

12,065
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41339

49
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98
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docs citations

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times ranked

8072
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of J/ψ Resonances Consistent with Pentaquark States in Λ_b Decays Measurement of the Ratio of Branching Fractions R_{B^0}	7.8	816
2			



#	ARTICLE	IF	CITATIONS
19	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ - Averaged Observables in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$	7.8	128
20	First Observation of the Doubly Charmed Baryon Decay $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \text{form="prefix"} \rangle + \langle \text{mml:mo} \rangle \text{form="prefix"} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle$	7.8	122
21	Amplitude analysis of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle$ decay. Physical Review D, 2020, 102, .	4.7	117
22	Search for Dark Photons Produced in 13 \AA TeV $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Collisions. Physical Review Letters, 2018, 120, 061801.	7.8	113
23	Model-independent Study of Structure in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle$	7.8	111
24	Evidence for Exotic Hadron Contributions to $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{stretchy="false"} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$	7.8	110
25	Physical Review Letters, 2016, 117, 082003. Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	16.7	105
26	Model-independent Evidence for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Contributions to $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle$	7.8	102
27	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13 \text{ \AA TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	100
28	Amplitude analysis of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \bullet \langle \text{mml:mi} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle$	4.7	92
29	Physical Review D, 2017, 95, . Search for long-lived scalar particles in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{stretchy="false"} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle$	7.8	81
30	Search for long-lived scalar particles in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\chi} \langle \text{mml:mi} \rangle$	4.7	79
31	Search for Structure in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{stretchy="false"} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	7.8	78
32	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
33	Observation of a New $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle$	7.8	77
34	Measurement of the Lifetime of the Doubly Charmed Baryon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \text{form="prefix"} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \text{form="prefix"} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2018, 121, 052002.	7.8	76
35	Measurements of the S-wave fraction in $B \text{ O } \hat{\alpha} \hat{\chi} \text{ K} + \hat{\chi} \hat{\alpha} \hat{\chi} \hat{\chi} \hat{\chi} + \hat{\chi} \hat{\chi} \hat{\alpha} \hat{\chi}$ decays and the $B \text{ O } \hat{\alpha} \hat{\chi} \text{ K } \hat{\alpha} \hat{\chi} - (892) \text{ O } \hat{\chi} \hat{\chi} + \hat{\chi} \hat{\chi} \hat{\alpha} \hat{\chi}$ differential branchi. Journal of High Energy Physics, 2016, 2016, 1.	4.7	75
36	Amplitude analysis of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle$	4.7	74

#	ARTICLE	IF	CITATIONS
73	Search for the doubly charmed baryon Ξ_{cc}^{\pm} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	35
74	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	34
75	Angular moments of the decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
76	Precision measurement of the χ_{c1} mass. Journal of High Energy Physics, 2020, 2020, 1.	4.7	33
77	Violation in C and P Symmetry in $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Journal of High Energy Physics, 2020, 2020, 1.	7.8	32
78	Search for Violations of Lorentz Invariance and C and P Symmetry in $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Journal of High Energy Physics, 2020, 2020, 1.	7.8	31
79	Test of lepton universality with $\Lambda_b^0 \rightarrow \Lambda_c^+ \ell^- \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	31
80	Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
81	Central exclusive production of J/ψ and $\Upsilon(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, .	4.7	30
82	Measurement of the CKM angle β_3 from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
83	Measurement of the shape of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ differential decay rate. Physical Review D, 2017, 96, .	4.7	29
84	Near-threshold $D^* \overline{D}^*$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
85	Observation of the Decays $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^-$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ n K^-$. Physical Review Letters, 2017, 119, 062001.	7.8	28
86	Studies of the resonance structure in $D^* \rightarrow K^* \pi \pi$ decays. European Physical Journal C, 2018, 78, 443.	3.9	28
87	Measurement of V_{cb} and V_{cs} from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	28
88	First Observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Journal of High Energy Physics, 2020, 2020, 1.	7.8	27
89	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	3.9	26
90	The experimental facility for the Search for Hidden Particles at the CERN SPS. Journal of Instrumentation, 2019, 14, P03025-P03025.	1.2	26

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91	Fast simulation of muons produced at the SHiP experiment using Generative Adversarial Networks. Journal of Instrumentation, 2019, 14, P11028-P11028.	1.2	26
92	Evidence for the Strangeness-Changing Weak Decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. Physical Review Letters, 2017, 118, 091801.	7.8	25
93	Observation of the Annihilation Decay Mode $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$. Physical Review Letters, 2017, 118, 091801.	7.8	25
94	Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^+$ Decays. Physical Review Letters, 2017, 118, 111803.	7.8	25
95	Observations of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^+$ decays and searches for other Λ_c^+ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
96	Evidence for the Rare Decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$. Physical Review Letters, 2018, 120, 231803.	7.8	24
97	Observation of a new baryon state in the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ mass spectrum. Physical Review Letters, 2019, 122, 152002.	7.8	24
98	Observation of a new baryon state in the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
99	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
100	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.	4.7	23
101	Measurement of the Λ_c^+ Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	7.8	23
102	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	7.8	22
103	Study of W boson production in association with beauty and charm. Physical Review D, 2015, 92.	4.7	22
104	Measurement of the Λ_c^+ Asymmetry in $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$. Physical Review Letters, 2019, 122, 152002.	7.8	22
105	A precise measurement of the $B^0 \rightarrow D^+ \pi^-$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	3.9	21
106	Measurement of the properties of the Λ_c^+ baryon. Journal of High Energy Physics, 2016, 2016, .	4.7	21
107	Observation of the decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ and evidence for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^+$. Physical Review Letters, 2017, 118, 091801.	4.7	21
108	Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ Meson Decays to $\Lambda^0 \pi^+ \pi^0$ and $\Lambda^0 \pi^+ \pi^+$. Physical Review Letters, 2017, 119, 181805.	7.8	21

#	ARTICLE	IF	CITATIONS
109	Search for the lepton-flavour violating decays $B_0(s) \rightarrow e^+ \tau^- \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
110	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2020, 101, .	4.7	21
111	Observation of a new $B \rightarrow D^* \ell^+ \ell^-$ state. Physical Review D, 2021, 103.	4.7	21
112	Search for CP violation in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	4.7	20
113	Study of B_c^+ decays to the $K^+ K^0 \ell^+$ final state and evidence for the decay $B_c^+ \rightarrow K^+ \ell^+ \ell^-$. Physical Review D, 2016, 94, .	4.7	20
114	Search for the lepton-flavour violating decay $D_0 \rightarrow \tau^+ \mu^- \mu^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	4.1	20
115	Measurement of CP observables in $B \rightarrow D K^*$ and $B \rightarrow D^* K$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	4.1	20
116	Studies of the resonance structure in $B \rightarrow D^* K^0$ decays. Physical Review D, 2016, 93, .	4.7	20
117	First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. Physical Review Letters, 2017, 118, 021801.	7.8	20
118	The active muon shield in the SHiP experiment. Journal of Instrumentation, 2017, 12, P05011-P05011.	1.2	20
119	Measurement of the CP Violation Parameter A_{FB}^{ℓ} in $D_0 \rightarrow K^+ K^- \ell^+ \ell^-$ and $D_0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ Decays. Physical Review Letters, 2017, 118, 261803.	7.8	20
120	Evidence for the decay $B \rightarrow S^0 \overline{K}^* \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
121	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	4.7	20
122	Precision measurement of the $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 118, 021801.	4.7	20
123	Updated measurement of time-dependent CP -violating observables in $B \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	3.9	20
124	Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201.	20.1	20
125	Resonances and CP violation in $B \rightarrow S^0$ and $B \rightarrow S^0 \ell^+ \ell^-$ decays in the mass region above the $\bar{\Lambda}(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
126	First Observation of the Radiative Decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review Letters, 2019, 123, 031801.	7.8	19

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127	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.	4.7	19
128	Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
129	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular distribution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	4.1	18
130	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $B \rightarrow \chi_{c1} \mu^+ \mu^-$. Physical Review Letters, 2017, 119, 221801.	4.7	18
131	Measurement of the mass and production rate of Λ_b^0 baryons. Physical Review D, 2019, 99, .	4.7	18
132	Search for Lepton-Flavor Violating Decays $B \rightarrow K^* \mu^+ \tau^-$. Physical Review Letters, 2019, 123, 241802.	7.8	18
133	First branching fraction measurement of the suppressed decay $B \rightarrow K^* \mu^+ \tau^-$. Physical Review D, 2020, 102, .	4.7	18
134	Observation of $\Lambda_b^0 \rightarrow p K^* \mu^+ \mu^-$ and $\Lambda_b^0 \rightarrow p K^* \tau^+ \tau^-$ decays and a measurement of the Λ_b^0 baryon mass. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
135	Measurement of CP asymmetry in $D \rightarrow K^* K^+$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	4.1	17
136	Study of charmonium production in b -hadron decays and first evidence for the decay $B \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	3.9	17
138	Improved limit on the branching fraction of the rare decay $B \rightarrow K^* \mu^+ \mu^-$. European Physical Journal C, 2017, 77, 678.	3.9	17
139	Observation of the $B \rightarrow K^* \mu^+ \mu^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	4.1	17
140	Measurement of the B_{\pm} production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	4.7	17
141	Search for the rare decay $B \rightarrow K^* \mu^+ \tau^-$. Physical Review D, 2020, 102, .	4.7	17
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147	Search for the Rare Decays $B \rightarrow \psi(2S) \ell^+ \ell^-$. Physical Review Letters, 2020, 124, 211802.	7.8	16
148	Measurement of χ production in pp collisions at $\sqrt{s}=8$ TeV *. Chinese Physics C, 2020, 44, 022001.	3.7	16
149	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow \psi(2S) \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
150	Differential branching fraction and angular moments analysis of the decay $B \rightarrow \psi(2S) \ell^+ \ell^-$ in the $\psi(2S)$ region. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
151	Measurement of $B \rightarrow \psi(2S) \ell^+ \ell^-$ and $D \rightarrow \psi(2S) \ell^+ \ell^-$ meson lifetimes. Physical Review Letters, 2017, 119, 101801.	7.8	15
152	Observation of the suppressed decay $B \rightarrow \psi(2S) \ell^+ \ell^-$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
153	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \psi(2S) \ell^+ \ell^-$. Physical Review Letters, 2017, 119, 232001.	7.8	15
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155	Measurement of CP observables in $B \rightarrow \psi(2S) \ell^+ \ell^-$ and $B \rightarrow \psi(2S) \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	4.1	15
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157	Variation with Proton-Proton Collision Energy and $B \rightarrow \psi(2S) \ell^+ \ell^-$. Physical Review Letters, 2020, 124, 122002.	7.8	15
158	Measurement of the branching fraction ratio $B(B \rightarrow \psi(2S) \ell^+ \ell^-) / B(B \rightarrow \psi(2S) \ell^+ \ell^-)$. Physical Review D, 2015, 92, .	4.7	14
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177	Search for CP violation in $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	4.1	13
178	Measurement of $\hat{\beta}$ production in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
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207	Search for a dimuon resonance in the η' mass region. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
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219	Measurement of CP violation in $B \rightarrow K^0 \bar{K}^0$ and $B \rightarrow (2S) K^0$ decays. Journal of High Energy Physics, 2017, 2017, .	4.7	9
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226	Study of $B \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
227	Search for the rare decays $B \rightarrow K^+ K^0$ and $B \rightarrow K^+ K^0$. Physical Review D, 2015, 92, .	4.7	8
228	Measurement of the CKM angle $\hat{\beta}$ using $B \rightarrow DK^0$ with $D \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2016, 2016, .	4.7	8
229	Observation of the $B \rightarrow K^+ K^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
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240	Observation of $B \rightarrow \bar{K}^+ \pi^+ \pi^-$ and $B \rightarrow \bar{K}^+ \pi^+ \pi^-$ decays. European Physical Journal C, 2017, 77, 72.	3.9	7
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245	Observation of the $\Lambda_b^0 \rightarrow \bar{K}^+ \pi^-$ (3872) $p \bar{K}^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
246	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
247	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	1.2	7
248	Measurement of the shape of the $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
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251	Observation of $B_s^0 \rightarrow D^+ K^-$ and Evidence for $B_s^0 \rightarrow D^+ K^-$ Decays. Physical Review Letters, 2016, 116, 161802.	2.8	6
252	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \bar{K}^+ K^-$ decays. Physical Review D, 2017, 95, .	4.7	6

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255	Observation of the decay $B_s^0 \rightarrow c \bar{c} \bar{l} l$ and evidence for $B_s^0 \rightarrow c \bar{c} l^+ l^-$. Journal of High Energy Physics, 2017, .	4.7	6
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257	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+ K^+$, $D^+ \rightarrow \bar{l} l^+ K^+ K^+$ and $D^+ \rightarrow s^+ K^+ K^+$. Journal of High Energy Physics, 2019, 2019, .	4.7	6
258	Measurement of the CP-violating phase β_1 from $B \rightarrow J/\psi K^+ K^-$ decays. Physical Review Letters, 2019, 122, 111801.	4.1	6
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262	First observation of the rare $B^+ \rightarrow K^+ K^+ \bar{l} l$ decay. Physical Review D, 2016, 93, .	4.7	5
263	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ branching fractions. Physical Review D, 2016, 93, .	4.7	5
264	First observation of the decay $B_s^0 \rightarrow K_S^0 K^+ K^-$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5	4.7	5
265	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.	4.7	5
266	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow (2S) \bar{l} l$ and $B^0 \rightarrow \bar{l} l$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
267	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.	4.7	5
268	Isospin Amplitudes in $B \rightarrow J/\psi K^+ K^-$ decays. Physical Review Letters, 2019, 122, 111801.	4.7	5

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275	Observation of the semileptonic decay $B^+ \rightarrow \rho^+ \mu^+ \mu^-$. Journal of High Energy Physics, 2020, 2020, .	4.7	4
276	Search for the $B_s \rightarrow \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
277	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi^+ \pi^0$ and $B \rightarrow \pi^+ \pi^+ K^-$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
278	Measurement of the branching fraction and CP asymmetry in $B^+ \rightarrow \rho^+ \pi^0$ decays. European Physical Journal C, 2019, 79, 1.	3.9	3
279	Measurement of the relative $B^+ \rightarrow D^0 D^{*0} / D^+ D^{*0}$ branching fractions using B^+ mesons from $B^+ \rightarrow D^0 D^{*0}$ decays. Physical Review D, 2019, 99, .	4.7	3
280	Measurement of the branching fraction of the decay $B \rightarrow \pi^+ \pi^0 \pi^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
281	Measurement of the branching fraction of the decay $B \rightarrow \pi^+ \pi^0 \pi^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
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283	Measurement of the CP asymmetry in $B^+ \rightarrow D^+ D^0$ and $B^+ \rightarrow D^+ D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
284	Observation of the doubly Cabibbo-suppressed decay $\bar{B}^0 \rightarrow \pi^+ \pi^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
285	Measurement of CP violation in $B_0 \rightarrow D^{\pm} \bar{K}^{\pm}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
286	LHCb Collaboration. Nuclear Physics A, 2017, 967, 987-993.	1.5	1
287	Observation of the decay $B^+ \rightarrow \chi_{c2}^+ K^+ K^-$ in the \bar{D}^0 mass region. Journal of High Energy Physics, 2018, 2018, 1.	4.7	1
288	Measurement of branching fraction ratios for $B \rightarrow D^* D^+ K^+$, $B \rightarrow D^* D^0 K^+$, and $B_0 \rightarrow D^* D^0 K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	4.7	1

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290	LHCb Collaboration. Nuclear Physics A, 2021, 1005, 122093.	1.5	0
291	<p>First observation of the decay http://www.w3.org/1998/Math/MathML</p> $\bar{B}^0 \rightarrow \bar{B}^0 \mu^+ \mu^-$	4.7	0