

Thomas Kuhr

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

6,991
citations

66343

42
h-index

66911

78
g-index

170
all docs

170
docs citations

170
times ranked

6463
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the branching ratio of $B \rightarrow R^+ R^-$ Lepton Polarization and Measurement of the branching ratio of $B \rightarrow R^+ R^-$	7.8	457
2	Averages of b-hadron, c-hadron, and Λ_b lepton properties as of summer 2016. European Physical Journal C, 2017, 77, 1.	4.7	442
3	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	379
4	Lepton-Flavor-Dependent Angular Analysis of $B \rightarrow K^* \bar{a}_1$	7.8	252
5	Averages of b-hadron, c-hadron, and Λ_b lepton properties as of 2018. European Physical Journal C, 2021, 81, 1.	3.9	248
6	Measurement of the branching ratio of $B \rightarrow K^* \bar{a}_1$	4.7	196
7	Bounds on the width, mass difference and other properties of X	7.8	135
8	Evidence for a new charged charmoniumlike state in $B \rightarrow K^* \bar{a}_1$	4.7	135
9	Observation of a new charged charmoniumlike state in $B \rightarrow K^* \bar{a}_1$	7.8	128
10	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\bar{b} \rightarrow b \bar{c} c$	7.8	121
11	Wave Spin-Singlet Bottomonium States	7.8	121
12	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\bar{b} \rightarrow b \bar{c} c$	7.8	121
13	Wave Spin-Singlet Bottomonium States	7.8	121

#	ARTICLE	IF	CITATIONS
19	Measurement of Inclusive Radiative $B \rightarrow K^* \gamma$ Meson Decays with a Photon Energy Threshold of 1.7 GeV. Physical Review Letters, 2009, 103, 241801.	7.8	88
20	Measurement of the Difference in CP-Violating Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 \pi^0$ Decays at CDF. Physical Review Letters, 2012, 109, 111801.	7.8	88
21	Precise Measurement of the CKM Matrix Element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Physical Review Letters, 2011, 106, 121802.	7.8	83
22	Evidence for direct CP violation in the decay $B \rightarrow D^* K^0$ and measurement of the CKM phase β . Physical Review D, 2010, 81, .	4.7	82
23	Measurement of the branching fraction $B \rightarrow D^* \ell \bar{\nu}_\ell$ and determination of the Cabibbo-Kobayashi-Maskawa matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	81
24	Search for doubly charmed baryons and study of charmed strange baryons at Belle. Physical Review D, 2014, 89, .	4.7	79
25	Measurement of the branching fraction $B \rightarrow D^* \ell \bar{\nu}_\ell$ and determination of the CKM matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	72
26	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	7.8	71
27	Search for doubly charmed baryons and study of charmed strange baryons at Belle. Physical Review D, 2014, 89, .	4.7	66
28	Measurement of CP-violating asymmetries in $D^0 \rightarrow \bar{K}^0 \pi^0$ and $D^0 \rightarrow K^+ K^-$ decays at CDF. Physical Review D, 2012, 85, .	4.7	65
29	Amplitude analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	63
30	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	7.8	62
31	Observation of excited charmed baryons in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	61
32	Measurement of the CKM matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	57
33	Measurement of the CKM matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	56
34	Observation of the CKM matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	7.8	54
35	First observation of the CKM matrix element $ V_{cb} $ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 106, 121802.	4.7	52
36	Measurement of branching ratio and CP violation in the decay $B \rightarrow D^* \ell \bar{\nu}_\ell$. Physical Review D, 2011, 84, .	4.7	51

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37	Measurements of branching fractions and direct CP asymmetries for $B \rightarrow C P$ decays. Physical Review Letters, 2011, 106, 181802.	4.7	51
38	Search for Axionlike Particles Produced in $e^+e^- \rightarrow B K \bar{K} \ell$ Collisions at Belle II. Physical Review Letters, 2020, 125, 161806.	7.8	50
39	Measurements of branching fractions of leptonic and hadronic $D_{s^*}^+$ meson decays and extraction of the $D_{s^*}^+$ meson decay constant. Journal of High Energy Physics, 2013, 2013, 1.	4.7	48
40	Measurements of the properties of $\Lambda_c(2595)$, $\Lambda_c(2625)$, $\Lambda_c(2455)$, and $\Lambda_c(2520)$ baryons. Physical Review D, 2011, 84, .	4.7	47
41	Measurements of branching fractions of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ lepton decays with one or more $B \rightarrow \bar{K}^* S$ decays. Physical Review D, 2014, 89, .	4.7	43
42	Measurement of the branching fraction of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays with the semileptonic tagging method. Physical Review D, 2015, 92, .	4.7	42
43	Search for CP violation in the decays $D(s) \rightarrow \bar{K}^* K S$ and $D(s) \rightarrow \bar{K}^* K S K^+$. Physical Review Letters, 2010, 104, 181602.	7.8	40
44	Measurement of the $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays with the semileptonic tagging method. Physical Review Letters, 2012, 108, 211803.	4.7	40
45	Evidence for the Charmless Annihilation Decay Mode $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 211803.	7.8	38
46	Search for an invisibly decaying $B \rightarrow \bar{K}^* Z$ Boson at Belle II in $e^+e^- \rightarrow B \bar{K}^* Z$ decays. Physical Review Letters, 2020, 124, 141801.	7.8	38
47	Studies of charmed strange baryons in the $B \rightarrow \bar{K}^* D$ final state at Belle. Physical Review D, 2016, 94, .	4.7	37
48	Search for lepton-number-violating $B \rightarrow \bar{K}^* D^* \ell^+ \ell^-$ decays. Physical Review D, 2011, 84, .	4.7	36
49	Evidence for the Suppressed Decay $B \rightarrow \bar{K}^* D^* K \ell^+ \ell^-$. Physical Review Letters, 2011, 106, 231803.	7.8	36
50	Measurement of $B \rightarrow C P$ violating asymmetries in $B \rightarrow C P$ decays. Physical Review Letters, 2011, 106, 231803.	4.7	35
51	Search for $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays with the semileptonic tagging method. Physical Review Letters, 2012, 108, 211803.	7.8	35
52	Measurements of Direct CP violating asymmetries in Charmless Decays of Bottom Baryons. Physical Review Letters, 2014, 113, 242001.	7.8	34
53	Measurement of $B \rightarrow V u b$ from Inclusive Charmless Semileptonic $B \rightarrow V u b$ Decays. Physical Review Letters, 2010, 104, 021801.	7.8	33
54			

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55	Measurement of Polarization and Search for CP Violation in $B_s^0 \rightarrow \tau^+ \tau^-$ Decays. Physical Review Letters, 2011, 107, 261802.	7.8	32
56	First measurement of $\Gamma(B \rightarrow D^* K^*)$ with a model-independent Dalitz plot analysis of $B^0 \rightarrow D^* K^* S^0$ decay. Physical Review D, 2012, 85, .	4.7	32
57	Precise measurement of the branching fractions for $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2012, 109, 021601.	7.8	32
58	Measurements of the masses and widths of the $\Lambda_c(2455)^0$ and $\Lambda_c(2520)^0$ baryons. Physical Review D, 2014, 89, .	4.7	32
59	The Full Event Interpretation. Computing and Software for Big Science, 2019, 3, 1.	2.9	32
60	Measurement of $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2012, 109, 021601.	7.8	31
61	Violation and Measurement of the Branching Fraction in the Decay $B \rightarrow D^* K^* S^0$. Physical Review Letters, 2012, 109, 021601.	7.8	30
62	Measurement of $D^0 \rightarrow D^* K^* S^0$ mixing and search for indirect CP violation using $D^0 \rightarrow D^* K^* S^0$ decays. Physical Review D, 2014, 89, .	4.7	28
63	Search for leptonic decays of $D^0 \rightarrow D^* K^* S^0$ mesons. Physical Review D, 2010, 81.	4.7	27
64	Evidence for $B \rightarrow D^* K^* S^0$ violation in the Decay $B \rightarrow D^* K^* S^0$. Physical Review Letters, 2012, 109, 021601.	7.8	26
65	Observation of $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2012, 109, 021601.	7.8	26
66	Measurements of the absolute branching fractions of $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2012, 109, 021601.	4.7	26
67	Search for time-dependent CP violation in hadronic and semileptonic B decays. Physical Review D, 2012, 85, .	7.8	26
68	Measurement of the τ -lepton Lifetime at Belle. Physical Review Letters, 2014, 112, 031801.	7.8	25
69	Track finding at Belle II. Computer Physics Communications, 2021, 259, 107610.	7.5	25
70	Mass and lifetime measurements of bottom and charm baryons in $B \rightarrow D^* K^* S^0$ collisions at Belle II. Physical Review Letters, 2021, 126, 021801.	4.7	24
71	Search for time-dependent CP violation in hadronic and semileptonic B decays. Physical Review D, 2012, 85, .	4.7	23
72	Evidence of a structure in $\Lambda_c^+ \rightarrow p K^0$. European Physical Journal C, 2018, 78, 1.	3.9	22

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73	Observation of $B_s \rightarrow K^*(892)0$ and $B_s \rightarrow K_S^0$ decays. Physical Review D, 2011, 83, .	4.7	21
74	Measurement of $B \rightarrow \bar{K}^*(\hat{\Delta}^2)$ and constraint on the $\hat{\Delta}^2$ mixing angle. Physical Review D, 2012, 85, .	4.7	21
75	First Observation of $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2014, 112, 111801.	7.8	20
76	Observation of $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2014, 112, 111801.	7.8	20
77	B2BI: Data Conversion from Belle to Belle II. Computing and Software for Big Science, 2018, 2, 1.	2.9	20
78	Search for $B_c \rightarrow B_s \gamma$. Physical Review D, 2013, 87, .	4.7	19
79	Measurement of the integrated luminosity of the Phase 2 data of the Belle II experiment *. Chinese Physics C, 2020, 44, 021001.	3.7	19
80	Search for $B_c \rightarrow B_s \gamma$ and $B_c \rightarrow B_s \gamma$. Physical Review D, 2020, 101, .	4.7	19
81	Measurement of $B_s \rightarrow D_s^*(*) + D_s^*(*)$ Branching Ratios. Physical Review Letters, 2012, 108, 201801.	7.8	18
82	Measurement of branching fractions and $B_c \rightarrow B_s \gamma$ violation parameters. Physical Review Letters, 2017, 115, 111801.	4.7	18
83	Observation of $B_c \rightarrow B_s \gamma$ decays with first $B_c \rightarrow B_s \gamma$ decays to $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	4.7	18
84	Observation of $B_c \rightarrow B_s \gamma$ and Search for $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	7.8	18
85	Evidence for isospin violation and measurement of $B_c \rightarrow B_s \gamma$ asymmetries in charmless $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	4.7	18
86	Evidence for isospin violation and measurement of $B_c \rightarrow B_s \gamma$ asymmetries in charmless $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	7.8	18
87	Publishing statistical models: Getting the most out of particle physics experiments. SciPost Physics, 2022, 12, .	4.9	18
88	Measurement of $B_c \rightarrow B_s \gamma$ asymmetries in charmless $B_c \rightarrow B_s \gamma$. Physical Review D, 2010, 81, .	4.7	17
89	Search for $B_c \rightarrow B_s \gamma$ meson lifetime in the decay $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	4.7	17
90	Search for $B_c \rightarrow B_s \gamma$ and a measurement of the branching fraction $B_c \rightarrow B_s \gamma$. Physical Review Letters, 2017, 115, 111801.	4.7	17

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91	Observation of the Decay $B_s^0 \rightarrow K^0 \bar{K}^0$. Physical Review Letters, 2016, 116, 161801. Measurement of $\cos \phi_2$	7.8	17
92	$B^0 \rightarrow D^+ \pi^-$		

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109	Search for the decay $B \rightarrow D^0 K^+ \pi^-$ at Belle. Physical Review D, 2012, 86, .	4.7	12
110	Study of $B \rightarrow D^0 \pi^+ \pi^-$ decays, implications for the CKM angle α_2 and search for other $B \rightarrow D$ decay modes with a four-pion final state. Physical Review D, 2014, 89, .	4.7	12
111	Measurements of partial branching fractions of inclusive $B \rightarrow X^+ \pi^-$ decays with hadronic tagging. Physical Review D, 2021, 104, .	4.7	12
112	Observation of $B \rightarrow D^0 \pi^+ \pi^-$ at Belle. Physical Review D, 2011, 84, .	4.7	11
113	Measurement of the lepton forward-backward asymmetry in $B \rightarrow X_s \ell^+ \ell^-$ decays with a sum of exclusive modes. Physical Review D, 2016, 93, .	4.7	11
114	B-flavor tagging at Belle II. European Physical Journal C, 2022, 82, 1.	3.9	11
115	Measurements of branching fractions for $B \rightarrow D_s^+ \ell^+ \ell^-$ and $B \rightarrow D_s^+ K^+ \ell^-$. Physical Review D, 2010, 82, .	4.7	10
116	First observation of radiative $B \rightarrow K^0 \gamma$ decays and measurements of their time-dependent CP violation. Physical Review D, 2011, 84, .	4.7	10
117	Evidence for Direct CP Violation in $B \rightarrow D^0 \pi^+ \pi^-$ and Observation of $B \rightarrow D^0 K^0$. Physical Review Letters, 2012, 108, 031801.	7.8	10
118	Search for the rare decay $B \rightarrow D^0 K^+ \pi^-$ at Belle. Physical Review D, 2016, 93, .	4.7	10
119	Measurement of CP violation in the $B \rightarrow D^0 \pi^+ \pi^-$ decay. Physical Review D, 2018, 97, .	4.7	10
120	Measurements of isospin asymmetry and difference of direct CP asymmetries in inclusive $B \rightarrow X_s \pi^+ \pi^-$ decays. Physical Review D, 2019, 99, .	4.7	10
121	Study of the decays $B \rightarrow D^0 \pi^+ \pi^-$. Physical Review D, 2013, 87, .		

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127	Updated search for the flavor-changing neutral-current decay $B \rightarrow \pi^0 \pi^0$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 82, .	4.7	8
128	Measurement of the decays $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2010, 82, .	4.7	8
129	Measurement of time-dependent CP violation in $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
130	First Evidence for and Resolution of the Cabibbo-Kobayashi-Maskawa Quark-Mixing Unitarity Triangle Ambiguity. Physical Review Letters, 2018, 121, 261801.	7.8	8
131	Precise Measurement of the $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^-$ Lifetimes at Belle II. Physical Review Letters, 2021, 127, 211801.	7.8	8
132	Evidence for $B \rightarrow \pi^0 \pi^0$ decays at Belle. Physical Review D, 2010, 81, .	4.7	7
133	Search for $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2012, 86, .	4.7	7
134	Observation of the decay $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2014, 90, .	4.7	7
135	Search for the decay $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2015, .	4.7	7
136	Search for the decay $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2016, 93, .	4.7	7
137	Measurement of time-dependent asymmetries in $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2018, 97, .	4.7	7
138	Measurement of the branching fraction $B \rightarrow \pi^0 \pi^0$ at CDF. Physical Review D, 2012, 85, .	4.7	6
139	Evidence for $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2012, 85, .	4.1	6
140	Measurement of $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2015, 92, .	4.7	6
141	First measurement of $B \rightarrow \pi^0 \pi^0$ -odd moments in $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2017, 95, .	4.7	6
142	Clustering of $B \rightarrow \pi^0 \pi^0$ kinematic distributions with ClusterKinG. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
143	Measurement of Differential Branching Fractions of Inclusive $B \rightarrow \pi^0 \pi^0$ Decays. Physical Review Letters, 2021, 127, 261801.	7.8	6
144	Measurement of the branching fractions for $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2010, 81, .	4.7	5

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145	Publisher's Note: Study of $B^0 \rightarrow \pi^0 \pi^0$ decays, implications for the CKM angle α_2 and search for other B^0 decay modes with a four-pion final state [Phys. Rev. D 89, 072008 (2014)]. Physical Review D, 2014, 89, .	4.7	5
146	Search for the decay $B^+ \rightarrow K^+ K^0 K^+$ at Belle. Physical Review D, 2015, 91, .	4.7	5
147	Search for the lepton-flavor-violating decay $B^0 \rightarrow K^0 \ell^+ \ell^-$. Physical Review D, 2018, 98, .	4.7	5
148	Measurement of the branching fraction of $B \rightarrow D^* \ell^+ \ell^-$ at Belle using hadronic tagging in fully reconstructed events. Physical Review D, 2018, 98, .	4.7	5
149	Measurement of the branching fraction of the decay $B \rightarrow D^* \ell^+ \ell^-$ in fully reconstructed events at Belle. Physical Review D, 2021, 103, .	4.7	5
150	Alignment for the first precision measurements at Belle II. EPJ Web of Conferences, 2020, 245, 02023.	0.3	5
151	Measurement of the CP-Violation Parameters $\sin^2 2\beta_1$ with a New Tagging Method at the $\Upsilon(5S)$ Resonance. Physical Review Letters, 2012, 108, 171801.	7.8	4
152	First observation of CP violation and improved measurement of the branching fraction and polarization of $B^0 \rightarrow D^+ D^{*-}$ decays. Physical Review D, 2012, 86, .	4.7	4
153	Search for $B^0 \rightarrow \rho^+ \pi^- \pi^0$ at Belle. Physical Review D, 2014, 89, .	4.7	4
154	Measurement of the Direct CP Asymmetry in $B^+ \rightarrow X_s d \pi^0$ Decays with a Lepton Tag. Physical Review Letters, 2015, 114, 151601.	7.8	4
155	Measurement of time-dependent CP violation in $B^0 \rightarrow K_S^0 \pi^0 \pi^0$ decays. Physical Review D, 2019, 99, .	4.7	3
156	Observation of $B \rightarrow p \bar{p} \ell^+ \ell^-$ and $B \rightarrow \Lambda \bar{\Lambda} \ell^+ \ell^-$ decays. Physical Review D, 201	4.7	3
157	Search for $B^0 \rightarrow \ell^+ \ell^- \pi^0$ ($\ell = e, \mu$) with a hadronic tagging method at Belle. Physical Review D, 2021, 104, .	4.7	3
158	Belle II at the Start of Data Taking. EPJ Web of Conferences, 2019, 214, 09004.	0.3	2
159	Measurement of the resonant and nonresonant branching ratios in $\bar{B}^0 \rightarrow K^+ K^- K^0$. Physical Review D, 2021, 103, .	4.7	2
160	First search for the $\chi_{c2}(1D)$ in B decays at Belle. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
161	Punzi-loss. European Physical Journal C, 2022, 82, 121.	3.9	2
162	Publisher's Note: Study of the decays $B^+ \rightarrow D_s^1(2536) D^+ K^0$ [Phys. Rev. D 83, 051102(R) (2011)]. Physical Review D, 2011, 83, .	4.7	1

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163	Pixel Detector Background Generation using Generative Adversarial Networks at Belle II. EPJ Web of Conferences, 2021, 251, 03031.	0.3	1
164	Generation of Belle II Pixel Detector Background Data with a GAN. EPJ Web of Conferences, 2020, 245, 02010.	0.3	1
165	Selective background Monte Carlo simulation at Belle II. EPJ Web of Conferences, 2020, 245, 02028.	0.3	1
166	Software for online reconstruction and filtering at the Belle II experiment. International Journal of Modern Physics A, 2020, 35, 2043001.	1.5	1
167	Combined analysis of Belle and Belle II data to determine the CKM angle $\tilde{\gamma}_3$ using $B^+ \rightarrow D^0 \pi^+$. <i>Journal of Physics: Conference Series</i> , 2020, 1525, 012089.	1.0784314	1
168	Selective background Monte Carlo simulation at Belle II. <i>Journal of Physics: Conference Series</i> , 2020, 1525, 012089.	0.4	0