

Dmitrii Pereima

List of Publications by Year in descending order

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Version: 2024-02-01

142
papers

4,141
citations

147801

31
h-index

133252

59
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147
all docs

147
docs citations

147
times ranked

6097
citing authors

#	ARTICLE	IF	CITATIONS
37	First Observation of the Decay $B \rightarrow \hat{\Lambda}^+ K^0$ and a Measurement of Evidence for the Rare Decay $B \rightarrow \hat{\Lambda}^+ K^0$. Physical Review Letters, 2018, 120, 221803.	7.8	24
38	Physical Review Letters, 2018, 120, 221803.	7.8	24
39	Decays. Physical Review Letters, 2019, 122, 152002.	4.7	21
40	Observation of a new baryon state in the Λ_b^0 mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
41	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
42	Measurement of the Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	7.8	23
43	Observation of a new Observation of Multiplicity Dependent Prompt state. Physical Review Letters, 2019, 123, 031801.	4.7	20
44	Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
45	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
46	Precision measurement of the , $B \rightarrow \hat{\Lambda}^+ K^0$ decays. European Physical Journal C, 2019, 79, 1.	3.9	20
47	First Observation of the Radiative Decay $B \rightarrow \hat{\Lambda}^+ K^0 \gamma$. Physical Review Letters, 2019, 123, 031801.	7.8	19
48	Updated measurement of time-dependent $B \rightarrow \hat{\Lambda}^+ K^0$ violating observables in $B \rightarrow \hat{\Lambda}^+ K^0$ decays. European Physical Journal C, 2019, 79, 1.	4.7	20
49	Strong constraints on the $b \rightarrow \hat{\Lambda}^+ s^0$ photon polarisation from $B \rightarrow \hat{\Lambda}^+ K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
50	Measurement of the mass and production rate of baryons. Physical Review D, 2019, 99, .	4.7	18
51	Search for Lepton-Flavor Violating Decays $B \rightarrow \hat{\Lambda}^+ K^0 e^+ e^-$. Physical Review Letters, 2019, 123, 241802.	7.8	18
52	First branching fraction measurement of the suppressed decay $B \rightarrow \hat{\Lambda}^+ K^0 e^+ e^-$. Physical Review Letters, 2019, 123, 241802.	4.7	18
53	Search for the rare decay $B \rightarrow \hat{\Lambda}^+ K^0 e^+ e^-$. Physical Review Letters, 2019, 123, 241802.	4.7	17
54	Physical Review D, 2018, 97, .	4.7	17

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73	Search for the lepton flavour violating decay $B \rightarrow K^+ \ell^+ \ell'^- \nu_{\ell'}$, using $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
74	Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D^0 p K^+$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
75	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
76	Amplitude analysis of $B \rightarrow K^* K^* \ell^+ \ell'^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
77	Measurement of the $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ meson production fraction and asymmetry in 7 and 13 TeV pp collisions. Physical Review D, 2019, 100, .	4.7	12
78	First measurement of the CP-violating phase $\phi_{s^*}(\overline{d})$ in $B \rightarrow K^* \ell^+ \ell'^- (K^* \ell'^+)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
79	Search for CP violation using triple product asymmetries in $B \rightarrow K^* \ell^+ \ell'^- \ell'^+$, $B \rightarrow K^* \ell^+ \ell'^- K^* \ell'^+$ and $B \rightarrow K^* \ell^+ \ell'^- K^* \ell'^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
80	Amplitude analysis of the $B \rightarrow K^* \ell^+ \ell'^- \ell'^+$ decays and measurement of the branching fraction of the $B \rightarrow K^* \ell^+ \ell'^- \ell'^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
81	Search for the rare decay $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	3.9	11
82	A search for Ξ_{cc}^{++} decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
83	Measurement of the Λ_b^0 angular distribution and the polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
84	Observation of $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ decays. Physical Review D, 2018, 98, .	4.7	10
85	Search for a dimuon resonance in the $\tilde{\tau}$ mass region. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
86	Dalitz plot analysis of the $D^+ \rightarrow K^* K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
87	Measurement of $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ -Violating and Mixing-Induced Observables in $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ Decays. Physical Review Letters, 2019, 123, 232001.	7.8	10
88	Measurement of Charged Hadron Production in $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	7.8	10
89	Search for $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ violation and observation of $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ violation in $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ decays. Physical Review Letters, 2020, 125, 212001.	7.8	10
90	Search for $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ violation in $B \rightarrow K^* \ell^+ \ell'^- \nu_{\ell'}$ decays. Physical Review Letters, 2020, 125, 212001.	4.7	10

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91	Observation of CP violation in two-body $B_{(s)}^0$ -meson decays to charged pions and kaons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
92	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	3.9	9
93	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. Physical Review D, 2018, 98, .	4.7	9
94	Observation of $B \rightarrow B_c \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	7.8	9
95	Study of $B_{(s)}^0 \rightarrow \mu^+ \mu^- K^+ K^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
96	Search for long-lived particles decaying to $e^+ \mu^-$. European Physical Journal C, 2021, 81, 1.	3.9	9
97	Violation in the Decay $B \rightarrow B_c \mu^+ \mu^-$. Physical Review Letters, 2021, 126, 091802.	7.8	9
98	Measurement of CP observables in $B^{\pm} \rightarrow D^{(*)} K^{\pm}$ and $B^{\pm} \rightarrow D^{(*)} \bar{K}^{\pm}$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
99	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- (2S)$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
100	Search for B_c^+ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	2.5	8
101	Observation of the decay $B^0 \rightarrow \rho^+ \rho^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	4.1	8
102	Precision measurement of the B_c^+ meson mass. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
103	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Physical Review D, 2020, 101, .	4.7	8
104	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and 13 TeV. European Physical Journal C, 2020, 80, .	3.9	8
105	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
106	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	4.7	7
107	Study of the $B^0 \rightarrow \rho^+ K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \rho^+ (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
108	Observation of the $\Lambda_b^0 \rightarrow \chi_{c1} \bar{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7

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109	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.	4.7	7
110	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	1.2	7
111	Measurement of the shape of the $B_s^0 \rightarrow D_s^* \pi^+ \pi^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
112	Measurement of $Z \rightarrow \tau^+ \tau^-$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
113	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+ K^+$, $D^+ \rightarrow \pi^+ \pi^+ K^+$ and $D^+ \rightarrow \pi^+ \pi^+ \pi^+$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
114	Measurement of the CP-violating phase β from $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 102, 1.	4.1	6
115	Measurement of CP violation in the $B_s^0 \rightarrow \pi^+ \pi^-$ decay and search for the $B^0 \rightarrow \tau^+ \tau^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
116	Measurement of the CKM angle β in $B_{d,s}^{\pm} \rightarrow D K_{d,s}^{\pm}$ and $B_{d,s}^{\pm} \rightarrow D^* K_{d,s}^{\pm}$ decays with $D \rightarrow S^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
117	Measurement of the relative branching fractions of $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 102, 1.	4.7	6
118	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
119	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^+ \pi^- (2S)$ and $B^0 \rightarrow \pi^+ \pi^- / \pi^+ \pi^-$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
120	Measurement of CP observables in the process $B^0 \rightarrow D^* K^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
121	Measurement of the CP-violating phase β from $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 102, 1.		

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127	Measurement of the relative $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ branching fractions using B^0 mesons from $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decays. Physical Review D, 2019, 99, .	4.7	3
128	Measurement of the branching fraction of the decay $B \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$. Physical Review D, 2020, 102, .	4.7	3
129	Measurement of the CP asymmetry in $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ and $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	3
130	Measurement of the CP asymmetry in $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ and $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
131	Observation of the doubly Cabibbo-suppressed decay $\bar{B}^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
132	Observation of the $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decay. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
133	Search for the rare decay $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$. Chinese Physics C, 2021, 45, 043001.	3.7	2
134	Measurement of CP violation in $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
135	Study of characteristics of the SiC -type cellular electromagnetic calorimeter prototype. Bulletin of the Lebedev Physics Institute, 2016, 43, 295-297.	0.6	1
136	Calibration of the LHCb calorimetric system. Journal of Instrumentation, 2017, 12, C06016-C06016.	1.2	1
137	Observation of the decay $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ in the \bar{B}^0 mass region. Journal of High Energy Physics, 2018, 2018, 1.	4.7	1
138	Observation of the $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	4.1	1
139	Measurement of branching fraction ratios for $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$, $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$, and $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$ decays. Journal of High Energy Physics, 2020, 2020, .	4.7	1
140	Studying the spectrometric characteristics of an ionizing-radiation detector based on a LaBr3(Ce) scintillator and a silicon photomultiplier. Instruments and Experimental Techniques, 2017, 60, 182-187.	0.5	0
141	Calibration system of the LHCb hadronic calorimeter. Journal of Physics: Conference Series, 2017, 798, 012174.	0.4	0
142	First observation of the decay $B^0 \rightarrow D^0 D^{*0} \bar{D}^{*0} \bar{K}^0$. Physical Review D, 2020, 102, .	4.7	0