

Fernando Martinez-Vidal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

2,440
citations

24
h-index

43
g-index

126
ext. papers

3,102
ext. citations

5.3
avg, IF

1.77
L-index

#	Paper	IF	Citations
117	Progress towards the first measurement of charm baryon dipole moments. <i>Physical Review D</i> , 2021 , 103,	4.9	2
116	Search for the rare decay $\{B^+\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\nu_\mu\}$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
115	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \rho^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
114	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
113	Study of the $B^0 \rightarrow K^{*0} K^0$ decay with an amplitude analysis of $B^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
112	Measurement of the ratio of branching fractions of the decays $D^0 \rightarrow b^- K^+ S^0$ and $D^0 \rightarrow b^- K^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
111	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
110	Amplitude analysis of $B^0 \rightarrow s^- K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
109	Near-threshold (\overline{D}) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
108	Amplitude analysis of 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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
107	Novel Method for the Direct Measurement of the Lepton Dipole Moments. <i>Physical Review Letters</i> , 2019 , 123, 011801	7.4	10
106	Prompt $B^+ c$ production in pPb collisions at $(\sqrt{s_{NN}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
105	Search for excited $B^+ c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
104	Measurement of CP asymmetry in $B^0 \rightarrow D^+ s^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
103	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
102	First measurement of the CP-violating phase $(\phi_s^{\overline{D}})$ in $B^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
101	Measurement of branching fractions of charmless four-body $D^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8

100	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
99	Study of γ production in pPb collisions at $(\sqrt{s_{\text{NN}}})=8.16$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
98	Search for beautiful tetraquarks in the $\gamma(1S) \rightarrow \text{Invariant-mass spectrum}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	21
97	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4-2	3
96	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
95	Measurement of γ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
94	Measurement of forward top pair production in the dilepton channel in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
93	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+)$ in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	0
92	Search for a dimuon resonance in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
91	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4-2	11
90	Angular moments of the decay $D^0 \rightarrow \pi^+ \pi^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
89	Measurement of $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
88	Measurement of the CKM angle ϕ_1 using $B^0 \rightarrow D^0 K^0$ with $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
87	Measurement of $D^0 \rightarrow s$ production asymmetry in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
86	Evidence for the decay $(B^0 \rightarrow \overline{K}^* \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
85	Observation of the decay $D^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
84	Search for CP violation using triple product asymmetries in $D^0 \rightarrow \rho^+ \rho^-$ and $D^0 \rightarrow \rho^0 \rho^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
83	First observation of $B^+ \rightarrow D^0 s$ decays and a search for $B^+ \rightarrow D^0 s \gamma$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6

82	Measurement of CP violation in $B^0 \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
81	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow D^0 \pi^0$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4-2	25
80	Study of the $D^0 \rightarrow \pi^0 \pi^0$ amplitude in $B^0 \rightarrow D^0 \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
79	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4-2	35
78	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	27
77	Study of charmonium production in B^0 -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4-2	10
76	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4-2	7
75	Search for the $B^0 \rightarrow D^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	1
74	Observation of the suppressed decay $B^0 \rightarrow \rho^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	10
73	Test of lepton universality with $B^0 \rightarrow K^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	298
72	On the search for the electric dipole moment of strange and charm baryons at LHC. <i>European Physical Journal C</i> , 2017 , 77, 1	4-2	25
71	Measurement of the J/ψ pair production cross-section in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	25
70	New algorithms for identifying the flavour of B^0 mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4-2	4
69	Evidence for the two-body charmless baryonic decay $(B^+ \rightarrow \overline{\Lambda}^0)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
68	Resonances and CP violation in $B^0 \rightarrow J/\psi K^+ K^-$ decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	13
67	Study of $(\overline{b}b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
66	Measurement of CP observables in $B^0 \rightarrow D^0 K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
65	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23

64	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3
63	Electromagnetic dipole moments of charged baryons with bent crystals at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 828	4-2	18
62	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	6
61	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$ in the $K^*0,2(1430)0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
60	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0 S$ and $D^*0 K +$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
59	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	10
58	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	65
57	First observation of the decay $B^0 \rightarrow K^+ K^- K^*(892)0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
56	Observation of the $B^0 \rightarrow K^+ K^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
55	Angular analysis of the $B^0 \rightarrow K^+ K^- \pi^0$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
54	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
53	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
52	Observations of $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^- K^0$ decays and searches for other $D^0 \rightarrow b$ and $D^0 \rightarrow b$ decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
51	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
50	Observation of $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0 K^0$ decays and a measurement of the D^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
49	Production of associated Y and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	25
48	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	13
47	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(B^0 \rightarrow K^+ K^- \pi^0)}{\mathcal{B}(B^0 \rightarrow K^+ K^- \pi^0 \pi^0)}$) in the $K^*0,2(1430)0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5

46	Measurement of forward W^-e^+ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
45	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	23
44	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- K^0$ decays and the $B^0 \rightarrow K^*(892)^0 K^+ K^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48
43	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 S^+ K^-$ and $K^0 S^+ K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	6
42	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4-2	26
41	Measurement of the Z+b-jet cross-section in pp collisions at (\sqrt{s}) = 7 TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	7
40	Search for the lepton flavour violating decay $B \rightarrow K^* \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
39	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of $B_{c,0}^+$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	14
38	Measurement of the $[B \rightarrow K^* \ell^+ \ell^-]$ production cross-section in proton-proton collisions via the decay $[B \rightarrow K^* \ell^+ \ell^-]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4-2	41
37	Measurement of CP asymmetries and polarisation fractions in ($B_s^0 \rightarrow \overline{K}^{*0} K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
36	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	5-4	31
35	Search for the $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
34	Measurement of the exclusive Γ production cross-section in pp collisions at ($\sqrt{s}=7$) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	42
33	Measurement of the $B^0 \rightarrow K^* K^0$ branching fraction and search for the decay $B^0 \rightarrow K^* K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
32	Forward production of Γ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
31	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow K^* K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	4
30	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
29	Measurement of CP violation parameters and polarisation fractions in ($B_s^0 \rightarrow \overline{K}^{*0} K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12

28	Measurement of forward Z $\rightarrow e^+e^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
27	Search for the decay ($B_s^0 \rightarrow \overline{D}^0 F_0(980)$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10
26	Measurement of forward J/ ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	47
25	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \overline{K}^* \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	138
24	Measurement of the inelastic pp cross-section at a centre-of-mass energy of (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	13
23	Angular analysis of the $B^0 \rightarrow \overline{K}^* e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
22	Determination of the branching fractions of $B^0 \rightarrow \overline{D}^* K^+$ and $B^0 \rightarrow \overline{D}^* K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
21	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4-2	8
20	Time-Reversal Violation. <i>Annual Review of Nuclear and Particle Science</i> , 2015 , 65, 403-427	15-7	1
19	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \overline{K}^* (892) \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	8
18	Angular analysis of charged and neutral $B \rightarrow \overline{K}^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
17	Evidence for the decay ($B_c^+ \rightarrow J/\psi \left[\frac{1}{\sqrt{3}} (\psi(3686) + 2\psi(4180)) \right]$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	16
16	Differential branching fractions and isospin asymmetries of $B \rightarrow \overline{K}^* (\mu^+ \mu^-)$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	142
15	Measurement of CP asymmetry in $D^0 \rightarrow \overline{K}^* K^+$ and $D^0 \rightarrow \overline{K}^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
14	Study of (φ) production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	27
13	Observation of the $D^0 \rightarrow \overline{K}^* \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
12	Study of the kinematic dependences of D^0 production in pp collisions and a measurement of the $D^0 \rightarrow \overline{K}^* c \mu^+$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30
11	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15

10	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
9	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text]TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
8	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
7	Search for CP violation in $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
6	First observations of the rare decays $B^+ \rightarrow K^+ \pi^0 \pi^0$ and $B^+ \rightarrow K^+ \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
5	Measurement of the $B_c(3P)$ mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
4	Measurement of the CKM angle γ using $B^0 \rightarrow K^+ K^- \pi^0$ with $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
3	Measurement of CP asymmetry in $B^0 \rightarrow D^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
2	Measurement of the forward W boson cross-section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
1	Unitarity Triangles at BaBar. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009 , 187, 13-20		