

Fernando Martinez-Vidal

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

3,717
citations

147566

31
h-index

155451

55
g-index

126
all docs

126
docs citations

126
times ranked

6203
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of lepton universality with $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
2	Angular analysis of the $B \rightarrow K^* \ell^+ \ell^-$ decay using 3 fb^{-1} of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	1.6	304
3	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
4	Angular analysis and differential branching fraction of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
5	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
6	Measurements of the S-wave fraction in $B \rightarrow K^* \ell^+ \ell^-$ decays and the $B \rightarrow K^* \ell^+ \ell^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
7	Measurement of the $\sigma_c(1S)$ production cross-section in proton-proton collisions via		

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19	Study of the kinematic dependences of \hat{b}^0 production in pp collisions and a measurement of the $\hat{b}^0 \rightarrow \hat{c}^+ \hat{c}^-$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
20	Search for beautiful tetraquarks in the $\hat{\Upsilon}(1S) \rightarrow \hat{b}^+ \hat{b}^-$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
21	Production of associated Υ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
22	Observation of the $\hat{b}^0 \rightarrow \hat{J}/\psi \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
23	Measurement of the \hat{J}/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
24	Angular moments of the decay $\hat{b}^0 \rightarrow \hat{b}^+ \hat{c}^- \hat{c}^+ \hat{c}^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
25	Study of $\hat{\Upsilon}$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
26	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
27	Search for the lepton flavour violating decay $\hat{L}_\alpha \rightarrow \hat{L}_\beta \hat{W}^+ \hat{W}^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
28	On the search for the electric dipole moment of strange and charm baryons at LHC. European Physical Journal C, 2017, 77, 1.	1.4	32
29	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
30	Forward production of $\hat{\Upsilon}$ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
31	Angular analysis of the $B^0 \rightarrow K^{*0} e^+ e^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
32	Measurement of the CKM angle $\hat{\beta}^3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
33	Near-threshold $\overline{D}^* D$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
34	Electromagnetic dipole moments of charged baryons with bent crystals at the LHC. European Physical Journal C, 2017, 77, 828.	1.4	28
35	Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
36	Angular analysis of charged and neutral $B \rightarrow K^{*+} K^{*0}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26

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37	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
38	Measurement of the forward W boson cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
39	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
40	Observations of $\hat{b} \rightarrow \hat{c} \ell^+ \ell^-$ and $\hat{b} \rightarrow \hat{c} K^+ K^-$ decays and searches for other $\hat{b} \rightarrow \hat{c}$ and $\hat{b} \rightarrow \hat{c}$ decays to \hat{c} final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
41	Measurement of the forward Z boson production cross-section in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
42	Measurement of the CKM angle $\hat{\beta}^3$ using $B \hat{A}^\pm \hat{A}^\mp DK \hat{A}^\pm$ with $D \hat{A}^\pm \hat{A}^\mp K S O \hat{\ell}^\pm + \hat{\ell}^\mp \hat{A}^\pm$, $K S O K + K \hat{A}^\pm$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
43	Search for CP violation using T-odd correlations in $D O \hat{A}^\mp K + K \hat{A}^\mp \hat{\ell}^\pm \hat{\ell}^\mp$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
44	Precise measurements of the properties of the $B_1(5721)_{0,+}$ and $B_2^*(5747)_{0,+}$ states and observation of $B_+, O \hat{\ell}^\pm$, mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21
45	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
46	Search for the lepton-flavour violating decays $B_0(s) \rightarrow \hat{A}^\pm \hat{A}^\mp \hat{\ell}^\pm \hat{\ell}^\mp$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
47	Measurement of the $\hat{b} \rightarrow \hat{c}$ (3P) mass and of the relative rate of $\hat{b} \rightarrow \hat{c} 1(P)$ and $\hat{b} \rightarrow \hat{c} 2(1P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
48	Evidence for the decay $B_{\hat{S}}^0 \rightarrow \hat{K}^+ \hat{K}^- \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
49	Resonances and CP violation in $B_{\hat{S}}^0$ and $B_{\hat{A}}^{\pm} \hat{S}^0 \hat{A}^\mp J/\psi K^+ K^-$ decays in the mass region above the $\hat{\chi}(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
50	Measurement of forward $W \hat{A}^\mp e^{\hat{1}/2}$ production in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
51	Search for the decay $B_{\hat{S}}^0 \rightarrow \hat{D}^0 \hat{D}^0(980)$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
52	Observation of $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- (2S) p \hat{K}^+$ and $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- J/\psi + \hat{\ell}^\pm p \hat{K}^+$ decays and a measurement of the $\hat{b} \rightarrow \hat{c}$ baryon mass. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
53	Study of charmonium production in $B_{\hat{S}}^0 \rightarrow \hat{\chi} \hat{\chi} \hat{\chi}$ decays and first evidence for the decay $B_{\hat{S}}^0 \hat{A}^\mp \hat{\ell}^\pm \hat{\ell}^\mp$. European Physical Journal C, 2017, 77, 609.	1.4	17
54	Improved limit on the branching fraction of the rare decay $B_{\hat{S}}^0 \rightarrow \mu^+ \mu^- K S O \hat{A}^\mp \hat{A}^\mp$. European Physical Journal C, 2017, 77, 678.	1.4	17

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55	Evidence for the decay $B_c^+ \rightarrow \psi(3700) \psi(3700)$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
56	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
57	Study of Υ production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
58	Progress towards the first measurement of charm baryon dipole moments. Physical Review D, 2021, 103, .	1.6	16
59	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^{\pm} \pi^{\mp}$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
60	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the $K^0(1430)^0$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
61	Observation of the suppressed decay $B^0 \rightarrow \rho^+ \rho^- \pi^+ \pi^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
62	Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
63	Novel Method for the Direct Measurement of the Lepton Dipole Moments. Physical Review Letters, 2019, 123, 011801.	2.9	15
64	Measurement of CP asymmetry in $B_s^0 \rightarrow D_s^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
65	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
66	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
67	Measurement of the CKM angle $\hat{\beta}^3$ using $B_{\pm}^0 \rightarrow D K_{\pm}^{\mp}$ with $D \rightarrow K^{\pm} \pi^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
68	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
69	Search for CP violation in $D^{\pm} \rightarrow K^0 K^{\pm}$ and $D_s^{\pm} \rightarrow K^0 K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
70	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* K^0$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
71	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
72	Measurement of the ratio of branching fractions $\hat{a}_{\psi(3700)}(B_c^+ \rightarrow J/\psi K^+) / \hat{a}_{\psi(3700)}(B_c^+ \rightarrow J/\psi K^0)$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13

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73	Study of $D_{s1}^{(*)}$ mesons decaying to $D^+ K^0$ and $D^0 K^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
74	Measurement of CP asymmetry in $B^0 \rightarrow K^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.6	1.6	13
75	Measurement of $\tilde{\chi}^0$ production in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
76	Measurement of CP asymmetries and polarisation fractions in $B_s \rightarrow K^+ K^- \overline{K}^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
77	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
78	Amplitude analysis of $B^0 \rightarrow K^0 K^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
79	Measurement of the $B_s \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$ branching fraction and search for the decay $B^0 \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
80	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11
81	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
82	First measurement of the CP-violating phase $\phi_{s^{\overline{d}}}$ in $B^0 \rightarrow (K^+ K^-) (K^+ K^-)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
83	Search for CP violation using triple product asymmetries in $\tilde{b} \rightarrow \tilde{b} p \tilde{K}^+ \tilde{K}^-$, $\tilde{b} \rightarrow \tilde{b} p \tilde{K}^+ K^-$ and $\tilde{b} \rightarrow \tilde{b} p \tilde{K}^+ K^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
84	First observation of $B^+ \rightarrow D^+ s + K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s + \tilde{\chi}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
85	Amplitude analysis of the $B_{(s)}^0 \rightarrow \overline{K}^0 \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow \overline{K}^0 \overline{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
86	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu}$. European Physical Journal C, 2019, 79, 1.	1.4	11
87	Evidence for the two-body charmless baryonic decay $B^+ \rightarrow p \tilde{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
88	Study of $\overline{b} \rightarrow b$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
89	Search for a dimuon resonance in the $\tilde{\chi}^0$ mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
90	Measurement of branching fractions of charmless four-body $\tilde{b} \rightarrow b 0$ and $\tilde{b} \rightarrow b 0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10

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91	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
92	First observations of the rare decays $B \rightarrow K^+ K^+ \bar{K}^0 + \bar{K}^0 \bar{K}^0 K^+$ and $B \rightarrow K^+ K^+ K^0 + K^0 K^0 K^+$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
93	Search for the $B^0 \rightarrow K^+ K^+ \bar{K}^0$ and $B^0 \rightarrow K^+ K^+ K^0$ decays with the LHCb detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
94	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
95	Model-independent measurement of the CKM angle β^3 using $B^0 \rightarrow D^+ K^+ K^0$ decays with $D^+ \rightarrow K^+ K^0 \bar{K}^0$ and $D^+ \rightarrow K^+ K^+ K^0$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
96	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
97	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
98	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
99	Observation of the $B^0 \rightarrow K^+ K^+ \bar{K}^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
100	Observation of the decay $B^0 \rightarrow K^+ K^+ \bar{K}^0(2S)$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
101	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow D^+ K^+ K^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	7
102	Measurement of CP observables in $B^0 \rightarrow D^+ K^+ K^0$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
103	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^0 K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
104	Study of the $B^0 \rightarrow K^+ K^+ \bar{K}^0(770)^0$ decay with an amplitude analysis of $B^0 \rightarrow K^+ (K^+ \bar{K}^0)(K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
105	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^+ \bar{K}^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
106	Determination of the branching fractions of $B^0 \rightarrow D^+ K^+ K^0$ and $B^0 \rightarrow D^+ K^+ K^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
107	Measurement of $Z \rightarrow \bar{l}_\mu, \bar{l}_\tau, \bar{l}_\nu$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
108	First observation of the decay $B^0 \rightarrow K^+ K^+ K^0(892)^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5

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109	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
110	Measurement of the ratio of branching fractions of the decays $\bar{B}^0 \rightarrow \bar{D}^{\pm} \pi^{\mp} (2S)$ and $\bar{B}^0 \rightarrow \bar{D}^{\pm} \pi^{\mp} / \bar{B}^0 \rightarrow \bar{D}^{\pm} \pi^{\mp}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
111	Measurement of forward top pair production in the dilepton channel in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
112	Measurement of CP violation in $B^0 \rightarrow D^{\pm} \pi^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
113	Search for the $B \rightarrow D^{\pm} \pi^{\mp} \pi^{\pm}$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
114	Time-Reversal Violation. Annual Review of Nuclear and Particle Science, 2015, 65, 403-427.	3.5	2
115	Observation of the doubly Cabibbo-suppressed decay $\bar{B}^0 \rightarrow \bar{D}^{\pm} \pi^{\mp}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
116	Observation of the decay $\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+ K^-$ in the \bar{B} mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
117	Unitarity Triangles at BaBar. Nuclear Physics, Section B, Proceedings Supplements, 2009, 187, 13-20.	0.5	0