

Xavier Cid Vidal

List of Publications by Year in descending order

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Version: 2024-02-01

530
papers

26,808
citations

8732

75
h-index

10708

138
g-index

541
all docs

541
docs citations

541
times ranked

9352
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | Exploring new possibilities to discover a light pseudo-scalar at LHCb. European Physical Journal C, 2022, 82, 1. | 1.4 | 10 |
| 2 | Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201. | 8.1 | 20 |
| 3 | Modern Machine Learning: Applications and Methods. Management and Industrial Engineering, 2022, , 19-61. | 0.3 | 1 |
| 4 | Prospects on searches for baryonic Dark Matter produced in $\{\vec{b}\}$ -hadron decays at LHCb. European Physical Journal C, 2021, 81, 1. | 1.4 | 9 |
| 5 | How to Use Machine Learning to Improve the Discrimination between Signal and Background at Particle Colliders. Applied Sciences (Switzerland), 2021, 11, 11076. | 1.3 | 3 |
| 6 | Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 2.0 | 35 |
| 7 | Precision measurement of the B_c^+ meson mass. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 8 |
| 8 | Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 101, . | 1.6 | 8 |
| 9 | $\hat{b} \rightarrow \bar{c} \ell^+ \ell^-$ | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | First Observation of Excited $\Lambda(1520)$ States. Physical Review Letters, 2020, 124, 082002. | 2.9 | 44 |
| 20 | Measurement of the Λ_b^0 angular distribution and the polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 11 |
| 21 | Averaged Observables in the $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 125, 011802. | 2.9 | 128 |
| 22 | Measurement of CP observables in $B_{\pm}^0 \rightarrow D^{\pm} K^{\pm} \pi^0$ decays. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 4 |
| 23 | Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 33 |
| 24 | Measurement of Λ_b^0 production in pp collisions at $\sqrt{s} = 13$ TeV. Chinese Physics C, 2020, 44, 022001. | 1.5 | 16 |
| 25 | Amplitude analysis of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Observation of Several Sources of CP Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 124, 041801. | 1.6 | 42 |
| 26 | Violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 041801. | 2.9 | 32 |
| 27 | Search for $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 041801. | 1.6 | 28 |
| 28 | Exclusive displaced hadronic signatures in the LHC forward region. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 12 |
| 29 | Search for the lepton flavour violating decay $B \rightarrow K^* \ell^+ \ell^-$, using $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 13 |
| 30 | Observation of a new baryon state in the Λ_b^0 mass spectrum. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 24 |
| 31 | Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501. | 1.4 | 133 |
| 32 | Expression of interest for the CODEX-b detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 63 |
| 33 | Measurement of CP violation in $B^0 \rightarrow D^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 2 |
| 34 | Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^0$, $D^+ \rightarrow K^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^+$. Journal of High Energy Physics, 2019, 2019, . | 1.6 | 6 |
| 35 | Study of the $B^0 \rightarrow K^* \pi^0$ decay with an amplitude analysis of $B^0 \rightarrow K^* \pi^0$ decays. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^+ \pi^- (2S)$ and $B^0 \rightarrow \pi^+ \pi^- / \pi^+$. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 5 |
| 38 | Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 10 |
| 39 | Precision measurement of the $\langle \mathbb{1} \rangle$. $\langle \mathbb{1} \rangle$, $\langle \mathbb{1} \rangle$, $\langle \mathbb{1} \rangle$ | 1.6 | 20 |
| 40 | Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 12 |
| 41 | First Observation of the Radiative Decay $B^0 \rightarrow \pi^+ \pi^- \gamma$. Physical Review Letters, 2019, 123, 031801. | 2.9 | 19 |
| 42 | Measurement of the branching fraction and CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2019, 79, 1. | 1.4 | 3 |
| 43 | Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802. | 2.9 | 55 |
| 44 | Amplitude analysis of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 11 |
| 45 | Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. Physical Review Letters, 2019, 123, 152001. | 2.9 | 19 |
| 46 | LHCb VELO Timepix3 telescope. Journal of Instrumentation, 2019, 14, P05026-P05026. | 0.5 | 8 |
| 47 | Measurement of $B^0 \rightarrow \pi^+ \pi^- K^0$ hadron fractions in 13.6 TeV collisions. Physical Review D, 2019, 100, . | 1.6 | 51 |
| 48 | Measurement of the relative $B^0 \rightarrow \pi^+ \pi^- K^0$ branching fractions using B^0 mesons from $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. Physical Review D, 2019, 99, . | 1.6 | 3 |
| 49 | New axion searches at flavor factories. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 52 |
| 50 | Measurement of CP observables in the process $B^0 \rightarrow \pi^+ \pi^- K^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 5 |
| 51 | Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1. | 1.4 | 11 |
| 52 | Measurement of the CP-violating phase γ from $B^0 \rightarrow \pi^+ \pi^- K^0$. Physics Letters, Sec | 1.5 | 6 |
| 53 | Observation of the $B^0 \rightarrow \pi^+ \pi^- K^0$ (3872) pK ⁺ decay. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 7 |
| 54 | Measurement of the Charm-Mixing Parameter χ_{CP} . Physical Review Letters, 2019, 122, 011802. | 2.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 28 |
| 56 | Search for CP Violation in $D_s \rightarrow \pi^+ K_S^0 \ell^+ \bar{\nu}_\ell$, $D \rightarrow \pi^+ K_S^0 K^+$, and $D \rightarrow \pi^+ \rho^0 \ell^+ \bar{\nu}_\ell$ Decays. Physical Review Letters, 2019, 122, 191803. | 2.9 | 9 |
| 57 | Measurement of $B \rightarrow \pi^+ \rho^0 \ell^+ \bar{\nu}_\ell$ Decays. Physical Review Letters, 2019, 122, 191803. | 2.9 | 9 |
| 58 | Measurement of $B \rightarrow \pi^+ \rho^0 \ell^+ \bar{\nu}_\ell$ Decays. Physical Review Letters, 2019, 122, 191803. | 1.6 | 17 |
| 59 | Observation of a Narrow Pentaquark State. Physical Review Letters, 2019, 122, 232001. | 2.9 | 157 |
| 60 | Observation of an Excited Pentaquark State. Physical Review Letters, 2019, 122, 232001. | 2.9 | 157 |
| 61 | Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191801. | 2.9 | 355 |
| 62 | Observation of the doubly Cabibbo-suppressed decay $\tilde{\Lambda}^0 \rightarrow p \bar{K}^0 \pi^0$. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 7 |
| 63 | Model-Independent Observation of Exotic Contributions to $B \rightarrow \pi^+ \rho^0 \ell^+ \bar{\nu}_\ell$ Decays. Physical Review Letters, 2019, 122, 152002. | 2.9 | 24 |
| 64 | Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 7 |
| 65 | First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002. | 2.9 | 48 |
| 66 | Measurement of the mass and production rate of $\tilde{\Lambda}^0$ baryons. Physical Review D, 2019, 99, . | 1.6 | 18 |
| 67 | Prompt $b \rightarrow c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 14 |
| 68 | A search for Ξ_{cc}^{++} $D \rightarrow p K^+ \ell^+ \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 11 |
| 69 | Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 6 |
| 70 | Discovering true muonium at LHCb. Physical Review D, 2019, 100, . | 1.6 | 18 |
| 71 | Measurement of the meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2019, 100, . | 1.6 | 12 |
| 72 | | | |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Measurement of $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 123, 241802. | 2.9 | 18 |
| 74 | Search for Lepton-Flavor Violating Decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2019, 123, 241802. | 2.9 | 18 |
| 75 | Measurement of $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 123, 241802. | 2.9 | 10 |
| 76 | Amplitude Analysis of $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 123, 241802. | 2.9 | 88 |
| 77 | Observation of Two Resonances in the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 123, 241802. | 2.9 | 10 |
| 78 | Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1. | 2.9 | 48 |
| 79 | Real-time discrimination of photon pairs using machine learning at the LHC. SciPost Physics, 2019, 7, . | 1.5 | 3 |
| 80 | Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 15 |
| 81 | Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801. | 2.9 | 113 |
| 82 | First observation of forward $Z \ell^+ \ell^-$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439. | 1.5 | 2 |
| 83 | Measurement of CP observables in $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30. | 1.5 | 15 |
| 84 | A measurement of the CP asymmetry difference between $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2018, 2018, . | 1.6 | 14 |
| 85 | Measurement of CP asymmetry in $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 13 |
| 86 | Search for the lepton-flavour violating decays $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 21 |
| 87 | First measurement of the CP-violating phase ϕ_s^{eff} in $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 11 |
| 88 | Test of lepton flavor universality by the measurement of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2019, 123, 241802. | 1.6 | 189 |
| 89 | Measurement of the Ratio of Branching Fractions R_{K^*} . Physical Review Letters, 2019, 123, 241802. | 2.9 | 204 |
| 90 | Measurement of the Ratio of Branching Fractions R_{K^*} . Physical Review Letters, 2019, 123, 241802. | 2.9 | 204 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, . | 1.6 | 30 |
| 92 | Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 7 |
| 93 | Study of ψ production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 16 |
| 94 | Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 39 |
| 95 | Search for CP violation in $B \rightarrow K^* \psi$ decays. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133. | | |
| 96 | Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008. | 1.4 | 9 |
| 97 | Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. Physical Review D, 2018, 98, . | 1.6 | 9 |
| 98 | Observation of $B \rightarrow D^* \psi$ decays. Physical Review Letters, 2018, 121, 222001. | 1.6 | 10 |
| 99 | Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 222001. | 2.9 | 41 |
| 100 | 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 |
| 101 | Measurement of ψ production in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 13 |
| 102 | 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 |
| 103 | Observation of the decay $B_s^0 \rightarrow \chi_{c2} K^+ K^-$ in the ψ mass region. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 1 |
| 104 | Search for a dimuon resonance in the ψ mass region. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 10 |
| 105 | Studies of the resonance structure in $D^0 \rightarrow K^* \psi$ decays. European Physical Journal C, 2018, 78, 443. | 1.4 | 28 |
| 106 | Angular moments of the decay $B^0 \rightarrow K^* \psi$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 34 |
| 107 | Measurement of $Z \rightarrow \psi, \psi(2S)$ 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 Doubly Charmed Baryon Decay $\Lambda_{cc}^+ \rightarrow \psi p$. Physical Review Letters, 2018, 121, 222001. | 2.9 | 122 |

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|-----|--|-----|-----------|
| 109 | Measurement of the CKM angle $\hat{\beta}^3$ using $B_{\hat{A}\pm} \hat{\Delta}^{\pm} DK_{\hat{A}\pm}$ with $D \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{S}\hat{0}}^{\pm} \hat{\Delta}^{\pm}$, $\hat{\Delta}^{\pm} K_{\hat{S}\hat{0}} K_{\hat{A}\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 14 |
| 110 | Measurement of $D_{\hat{A}\pm}$ s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 5 |
| 111 | Measurement of angular and $\cos^2\theta$ asymmetries in $B \rightarrow C P$ Asymmetries in $B \rightarrow D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 2.9 | 13 |
| 112 | Measurement of the $\hat{\Gamma}^{\pm}$ Baryon Lifetime. Physical Review Letters, 2018, 121, 092003. | 2.9 | 23 |
| 113 | Evidence for the decay $B_{\hat{S}}^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 20 |
| 114 | Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. Physical Review D, 2018, 98, . | 1.6 | 20 |
| 115 | Observation of the decay $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} (2S) \hat{\Delta}^{\pm}$. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 8 |
| 116 | Measurement of the CP asymmetry in $B_{\hat{A}\pm} \hat{\Delta}^{\pm} D_{\hat{A}\pm}$ and $B_{\hat{A}\pm} \hat{\Delta}^{\pm} D_{\hat{A}\pm}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 2 |
| 117 | Search for CP violation using triple product asymmetries in $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{A}\pm}^{\pm}$, $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{A}\pm}^{\pm} K_{\hat{A}\pm}^{\pm}$ and $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{A}\pm}^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 11 |
| 118 | Search for the rare decay $\hat{B}^0 \rightarrow \hat{\Delta}^{\pm} c \hat{\Delta}^{\pm} \mu^+ \mu^-$. Physical Review D, 2018, 97, . | 1.6 | 17 |
| 119 | Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, . | 1.6 | 7 |
| 120 | First observation of $B_{\hat{A}\pm} \hat{\Delta}^{\pm} D_{\hat{A}\pm} s + K_{\hat{A}\pm}$ decays and a search for $B_{\hat{A}\pm} \hat{\Delta}^{\pm} D_{\hat{A}\pm} s + \hat{\Delta}^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.8 | 11 |
| 121 | Measurements of the branching fractions of $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} \hat{\Delta}^{\pm}$, $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{A}\pm}$, and $\hat{B}^0 \hat{\Delta}^{\pm} \hat{\Delta}^{\pm} K_{\hat{A}\pm}^{\pm}$. Journal of High Energy Physics, 2018, 2018, . | 1.6 | 10 |
| 122 | Measurement of CP violation in $B^0 \hat{\Delta}^{\pm} D_{\hat{A}\pm}^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 4 |
| 123 | Amplitude Analysis of the Decay $B_{\hat{A}\pm}^0 \hat{\Delta}^{\pm} K_{\hat{S}\hat{0}}^{\pm} \hat{\Delta}^{\pm}$ and First Observation of the CP Asymmetry in $B_{\hat{A}\pm}^0 \hat{\Delta}^{\pm} K^*(892) \hat{\Delta}^{\pm}$. Physical Review Letters, 2018, 120, 261801. | 2.9 | 14 |
| 124 | Search for $B_{\hat{c}}^+$ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582. | 0.9 | 8 |
| 125 | Measurement of the Lifetime of the Doubly Charmed Baryon $\hat{\Xi}_{\hat{c}}^0$. Physical Review Letters, 2018, 121, 052002. | 2.9 | 76 |
| 126 | Measurement of branching fractions of charmless four-body $\hat{B}^0 b 0$ and $\hat{B}^0 b 0$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 10 |

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|-----|---|-----|-----------|
| 127 | Observation of the decay $\hat{b} \rightarrow \hat{c} + p + \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111. | 1.5 | 8 |
| 128 | Observation of a New $\hat{b} \rightarrow \hat{c} + p + \bar{K}^0$ Resonance. Physical Review Letters, 2018, 121, 072002. | 2.9 | 27 |
| 129 | Evidence for the Rare Decay $\hat{b} \rightarrow \hat{c} + p + \bar{K}^0$. Physical Review Letters, 2018, 120, 221803. | 2.9 | 24 |
| 130 | Search for the CP-violating strong decays $\hat{B} \rightarrow \hat{K} + \bar{K}^0$ and $\hat{B} \rightarrow (958) \hat{K}^0 + \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240. | 1.5 | 7 |
| 131 | Search for the suppressed decays $B \rightarrow \hat{K} + \bar{K}^0$ and $B \rightarrow \hat{K}^0 + \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316. | 1.5 | 9 |
| 132 | Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396. | 6.5 | 64 |
| 133 | Amplitude analysis of $B \rightarrow K \pi \pi$. Observation of the Amplitude Analysis of $B \rightarrow K \pi \pi$. Physical Review Letters, 2017, 118, 081801. | 1.6 | 92 |
| 134 | Consistent with Exotic States from Amplitude Analysis of $B \rightarrow K \pi \pi$ Structures. Observation of the Amplitude Analysis of $B \rightarrow K \pi \pi$. Physical Review Letters, 2017, 118, 081801. | 2.9 | 150 |
| 135 | Measurement of the Amplitude Analysis of $B \rightarrow K \pi \pi$. Physical Review Letters, 2017, 118, 081801. | 2.9 | 25 |
| 136 | First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. Physical Review Letters, 2017, 118, 021801. | 2.9 | 20 |
| 137 | Observation of the decay $B \rightarrow W \pi$. Observation of the decay $B \rightarrow W \pi$. Physical Review Letters, 2017, 118, 052002. | 1.5 | 7 |
| 138 | Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \hat{K}^0 + \bar{K}^0$ and evidence for $B \rightarrow \hat{K}^0 + \bar{K}^0$. Physical Review Letters, 2017, 118, 052002. | 1.6 | 21 |
| 139 | Measurement of the $B \rightarrow \hat{K}^0 + \bar{K}^0$ Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002. | 2.9 | 52 |
| 140 | Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \hat{K}^0 + \bar{K}^0$ decay. European Physical Journal C, 2017, 77, 161. | 1.4 | 51 |
| 141 | Study of the $D^0 \rightarrow p \bar{K}^0$ amplitude in $\hat{b} \rightarrow \hat{c} + p + \bar{K}^0$ decays. Journal of High Energy Physics, 2017, 2017, 11.6 | 1.6 | 54 |
| 142 | Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224. | 1.4 | 54 |
| 143 | Observation of $B \rightarrow \hat{K}^0 + \bar{K}^0$ and $B \rightarrow \hat{K}^0 + \bar{K}^0$. European Physical Journal C, 2017, 77, 72. | 1.4 | 7 |
| 144 | Measurement of CP asymmetry in $D^0 \rightarrow \hat{K}^0 + \bar{K}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187. | 1.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Observation of the Decay $\tilde{A}^0 \rightarrow \rho^+ K^0$. Physical Review Letters, 2017, 118, 071801. | 2.9 | 9 |
| 146 | Search for long-lived scalar particles in $B \rightarrow K^* K^0$ decays. Physical Review Letters, 2017, 118, 111803. | 1.6 | 79 |
| 147 | Study of prompt D^0 meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 45 |
| 148 | Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178. | 1.5 | 37 |
| 149 | Study of charmonium production in $B \rightarrow D^* J/\psi$ decays. Physical Review D, 2017, 95, . | 1.6 | 12 |
| 150 | Study of charmonium production in $B \rightarrow D^* J/\psi$ decays and first evidence for the decay $B_s^0 \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609. | 1.4 | 17 |
| 151 | Improved limit on the branching fraction of the rare decay $B_s^0 \rightarrow \mu^+ \mu^- \gamma$. European Physical Journal C, 2017, 77, 678. | 1.4 | 17 |
| 152 | Observation of $B_c \rightarrow D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, . | 1.6 | 12 |
| 153 | Measurements of charm mixing and violation using $B \rightarrow D^* K^0$ decays. Physical Review D, 2017, 95, . | 1.6 | 11 |
| 154 | Measurement of the B_{Δ^\pm} production asymmetry and the CP asymmetry in $B_{\Delta^\pm} \rightarrow J/\psi K_{\Delta^\pm}$ decays. Physical Review D, 2017, 95, . | 1.6 | 6 |
| 155 | Search for the $B_s^0 \rightarrow \rho^+ \rho^-$ decay. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 3 |
| 156 | Observation of the decay $\tilde{B}^0 \rightarrow \rho^+ K^0$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, . | 1.6 | 11 |
| 157 | Measurement of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^*$ decays. Physical Review Letters, 2017, 119, 112001. | 2.9 | 15 |
| 158 | Observation of the Doubly-Charmed Baryon Ξ_{cc}^+ . Physical Review Letters, 2017, 118, 111803. | 2.9 | 417 |
| 159 | Measurement of the CP Violation Parameter $A_{CP}^{\tilde{A}^0}$ in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2017, 118, 261803. | 2.9 | 20 |
| 160 | Observation of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2017, 118, 111803. | 2.9 | 15 |
| 161 | States Decaying to $\rho^0 \gamma$. Physical Review Letters, 2017, 119, 112001. | 2.9 | 234 |
| 162 | Measurement of CP asymmetries in $D_{\Delta^\pm} \rightarrow \rho^+ \rho^-$ and $D_s \rightarrow \rho^+ \rho^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30. | 1.5 | 8 |

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| 163 | Observation of the $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273. | 1.5 | 18 |
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| 368 | Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 24 |
| 369 | Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, . | 1.4 | 27 |
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| 514 | Observation of CP violation in $B \rightarrow A \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212. | 1.5 | 47 |
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| 521 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1. | 1.5 | 15 |
| 522 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1. | 1.4 | 238 |

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| 524 | $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ Determination of $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ | 1.5 | 29 |
| 525 | Measurements of the branching fractions for $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ | 1.5 | 26 |
| 526 | Determination of $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ | 2.9 | 28 |
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