

Marcos Seco

List of Publications by Year in descending order

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Version: 2024-02-01

243
papers

13,944
citations

19657

61
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27406

106
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243
all docs

243
docs citations

243
times ranked

8005
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005. | 1.2 | 969 |
| 2 | Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 113, 151601. | 7.8 | 845 |
| 3 | Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 191801. | 7.8 | 845 |
| 4 | Observation of the Resonant Character of the $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2013, 111, 191801. | 7.8 | 825 |
| 5 | Determination of the $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 222002. | 7.8 | 537 |
| 6 | First Evidence for the Decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 021801. | 7.8 | 292 |
| 7 | Fraction and Search for $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2013, 111, 191805. | 7.8 | 258 |
| 8 | Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1. | 3.9 | 238 |
| 9 | Prompt charm production in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2013, 871, 1-20. | 2.5 | 228 |
| 10 | Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 206 |
| 11 | Evidence for $B \rightarrow K^* \ell^+ \ell^-$ Violation in Time-Integrated $B \rightarrow K^* \ell^+ \ell^-$ Rates. Physical Review Letters, 2012, 108, 111602. | 7.8 | 181 |
| 12 | Improved results in supersymmetric electroweak baryogenesis. Nuclear Physics B, 2003, 650, 24-42. | 2.5 | 164 |
| 13 | Strong Constraints on the Rare Decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 231801. | 7.8 | 160 |
| 14 | Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 153 |
| 15 | Supersymmetric CP-violating currents and electroweak baryogenesis. Nuclear Physics B, 2001, 599, 158-184. | 2.5 | 145 |
| 16 | Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1. | 3.9 | 137 |
| 17 | Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007. | 1.2 | 127 |
| 18 | Observation of $B \rightarrow K^* \ell^+ \ell^-$ pair production in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 52-59. | 4.1 | 123 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631. | 3.9 | 117 |
| 20 | Measurement of b hadron production fractions in 7 TeV collisions. Physical Review D, 2012, 85, 074005. | 4.7 | 116 |
| 21 | Evidence for the decay $X \rightarrow B_c \gamma$. Physical Review Letters, 2012, 109, 172003. | 4.1 | 115 |
| 22 | Measurement of Λ_c^+ production in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 172003. | 2.5 | 114 |
| 23 | MSSM electroweak baryogenesis and flavour mixing in transport equations. Nuclear Physics B, 2006, 738, 1-22. | 2.5 | 113 |
| 24 | Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 111 |
| 25 | Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002. | 3.6 | 111 |
| 26 | Measurement of the C - P -Violating Phase in the Decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 221601. | 7.8 | 108 |
| 27 | Bubbles in the supersymmetric standard model. Nuclear Physics B, 1998, 526, 489-500. | 2.5 | 107 |
| 28 | Measurement of Υ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025. | 3.9 | 106 |
| 29 | Search for Majorana Neutrinos in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 131802. | 7.8 | 106 |
| 30 | First Observation of C - P Violation in the Decays of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 221601. | 7.8 | 105 |
| 31 | Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001. | 3.6 | 104 |
| 32 | Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 103 |
| 33 | Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 103 |
| 34 | Measurement of C - P Violation in the Phase Space of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801. | 7.8 | 101 |
| 35 | Observation of Excited Λ_c^+ Baryons. Physical Review Letters, 2012, 109, 172003. | 4.7 | 99 |
| 36 | Observation of Excited Λ_c^+ Baryons. Physical Review Letters, 2012, 109, 172003. | 7.8 | 98 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Search for the χ_{c0} and χ_{c1} states in the $B \rightarrow \chi_{c0} \pi^0$ and $B \rightarrow \chi_{c1} \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165 | 4.7 | 65 |
| 56 | Measurement of the isospin asymmetry in $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165 | 4.7 | 65 |
| 57 | Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, . | 4.7 | 65 |
| 58 | Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 65 |
| 59 | Observation of $B \rightarrow D^0 \pi^0$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 65 |
| 60 | Measurements of $B \rightarrow C^0 \pi^0$ violation in the three-body phase space of charmless $B \rightarrow C^0 \pi^0$ decays. Physical Review D, 2014, 90, . | 4.7 | 65 |
| 61 | First Observation of the Decay $B \rightarrow c \pi^0$. Physical Review Letters, 2012, 108, 251802. | 7.8 | 61 |
| 62 | Determination of the Sign of the Decay Width Difference in the $B \rightarrow c \pi^0$ System. Physical Review Letters, 2012, 108, 241801. | 7.8 | 61 |
| 63 | Analysis of the resonant components in $B \rightarrow c \pi^0$ decays. Physical Review Letters, 2012, 108, 241801. | 4.1 | 60 |
| 64 | Precision measurement of the $B \rightarrow c \pi^0$ oscillation frequency with the decay $B \rightarrow c \pi^0$. New Journal of Physics, 2013, 15, 053021. | 2.9 | 59 |
| 65 | Precision measurement of the $B \rightarrow c \pi^0$ oscillation frequency with the decay $B \rightarrow c \pi^0$. New Journal of Physics, 2013, 15, 053021. | 2.9 | 59 |
| 66 | Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248. | 4.1 | 58 |
| 67 | Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022. | 3.9 | 58 |
| 68 | Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, . | 4.7 | 56 |
| 69 | Observation of a Resonance in $B \rightarrow c \pi^0$ at Low Recoil. Physical Review Letters, 2013, 111, 112003. | 7.8 | 61 |
| 70 | Detecting photon-photon scattering in vacuum at exawatt lasers. Physical Review A, 2008, 77, . | 2.5 | 55 |
| 71 | Observation of $B \rightarrow c \pi^0$ and $B \rightarrow c \pi^0$ decays. Physical Review Letters, 2013, 111, 112003. | 4.7 | 55 |
| 72 | Nonperturbative dynamical many-body theory of a Bose-Einstein condensate. Physical Review A, 2005, 72, . | 2.5 | 54 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu X$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu / \psi$. European Physical Journal C, 2014, 74, 2839. | 3.9 | 43 |
| 92 | DIRAC3 – the new generation of the LHCb grid software. Journal of Physics: Conference Series, 2010, 219, 062029. | 0.4 | 42 |
| 93 | Precision tests of QED and non-standard models by searching photon-photon scattering in vacuum with high power lasers. Journal of High Energy Physics, 2009, 2009, 043-043. | 4.7 | 41 |
| 94 | Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010. | 1.2 | 41 |
| 95 | First observation of the decay $B_c^+ \rightarrow \mu^+ \nu_\mu \{K^+\}$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 41 |
| 96 | Measurement of the CP-violating phase $\arg(V_{cb} V_{cs}^*)$. Journal of High Energy Physics, 2013, 2013, 1. | 4.1 | 40 |
| 97 | Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$ and $B \rightarrow \tau^+ K^0 \nu_\mu \nu_e$. Physical Review Letters, 2012, 108, 101601. | 7.8 | 39 |
| 98 | Study of the kinematic dependences of $\bar{b} \rightarrow 0$ production in pp collisions and a measurement of the $\bar{b} \rightarrow 0$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 39 |
| 99 | Measurement of the $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1. | 4.1 | 38 |
| 100 | Measurement of the $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909. | 4.1 | 38 |
| 101 | First observation of the decay $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 36 |
| 102 | Measurement of the relative rate of prompt $\bar{b} \rightarrow c_0$, $\bar{b} \rightarrow c_1$ and $\bar{b} \rightarrow c_2$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 36 |
| 103 | Amplitude analysis and branching fraction measurement of $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-160. | 4.7 | 36 |
| 104 | Precision Measurement of the Mass and Lifetime of the Ω_b^0 Baryon. Physical Review Letters, 2014, 113, 032001. | 7.8 | 36 |
| 105 | Measurement of the CKM angle β from a combination of $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-160. | 4.1 | 35 |
| 106 | Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \nu_\tau \nu_\mu \nu_e$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35. | 4.1 | 35 |
| 107 | Precision Measurement of the Mass and Lifetime of the Ω_b^0 Baryon. Physical Review Letters, 2014, 113, 032001. | 2.5 | 35 |
| 108 | Precision Measurement of the Ω_b^0 Baryon Lifetime. Physical Review Letters, 2013, 111, 102003. | 2.5 | 35 |

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|-----|--|-----|-----------|
| 109 | Observation of the $\hat{b} \rightarrow \hat{s} \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 35 |
| 110 | Model-independent confirmation of the $Z \rightarrow \mu^+ \mu^-$ decay. Physical Review Letters, 2015, 92, . | 4.5 | 35 |
| 111 | Nonlinear Phase Shift from Photon-Photon Scattering in Vacuum. Physical Review Letters, 2007, 99, 150404. | 7.8 | 34 |
| 112 | Measurement of the α_s at the LHC. Journal of High Energy Physics, 2011, 2011, 1. | 4.1 | 34 |
| 113 | Measurement of the flavour-specific CP-violating asymmetry $A_{CP}^{\text{FB}}(B \rightarrow \mu^+ \mu^-)$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 34 |
| 114 | Search for the rare decay $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 34 |
| 115 | Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 34 |
| 116 | Measurement of the CP-violating phase $\arg(\rho_{cb})$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 33 |
| 117 | Search for direct CP violation in $B \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2013, 111, 111801. | 4.1 | 33 |
| 118 | Search for the rare decay $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 33 |
| 119 | Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45. | 4.1 | 33 |
| 120 | Study of $\Upsilon(5S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 33 |
| 121 | Search for the rare decays $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 32 |
| 122 | Search for the Lepton-Flavor-Violating Decays $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2013, 111, 111801. | 4.1 | 32 |
| 123 | Measurement of the ratio of R_{μ}^B . Physical Review Letters, 2013, 111, 111801. | 4.7 | 32 |
| 124 | Studies of beauty baryon decays to $\mu^+ \mu^-$. Physical Review D, 2014, 90, . | 4.7 | 31 |
| 125 | Search for the rare decay $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2013, 111, 111801. | 4.7 | 31 |
| 126 | The algebra of pseudodifferential symbols and the WKP(n) algebra. Journal of Mathematical Physics, 1996, 37, 6510-6529. | 1.1 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1. | 3.9 | 30 |
| 128 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 30 |
| 129 | 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. | 3.9 | 30 |
| 130 | First observation of χ_{c1} production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.1 | 29 |
| 131 | Study of D_s decays to $\{D^+K^-\}$ and D^0K^+ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, . | 4.7 | 29 |
| 132 | Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118. | 3.9 | 29 |
| 133 | Determination of χ_{c1} production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 29 |
| 134 | Measurement of the $B \rightarrow \psi(2S) K^+ K^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 28 |
| 135 | First measurement of time-dependent CP violation in $B_s \rightarrow 0 \{K^+\} \{K^-\}$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 28 |
| 136 | First Observation of a Baryonic B_c Decay. Physical Review Letters, 2014, 113, 152003. | 7.8 | 28 |
| 138 | Almost pure phase mass matrices from six dimensions. Nuclear Physics B, 2003, 653, 123-150. | 2.5 | 27 |
| 139 | Observation of the decay $B \rightarrow 0 \{K^+\} \{K^-\}$ for $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 27 |
| 140 | Measurement of χ_{c1} production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, . | 4.1 | 27 |
| 141 | Evidence for $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Nuclear Physics B, 2014, 888, 169-193. | 2.5 | 27 |
| 142 | Violation in $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 27 |
| 143 | Measurement of χ_{c1} production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, . | 3.9 | 27 |
| 144 | Prompt χ_{c1} production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy | 4.1 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 26 |
| 146 | Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 26 |
| 147 | Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* \rho^+ + \rho^+ \rho^-$ and $B^+ \rightarrow K^* \rho^+ + \rho^+ \rho^-$. Journal of High Energy Physics, 2014, 2014, . | 4.7 | 26 |
| 148 | Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, . | 7.8 | 26 |
| 149 | Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. Journal of High Energy Physics, 2014, 2014, . | 4.7 | 26 |
| 150 | Angular analysis of charged and neutral $B \rightarrow K^* \rho^+ + \rho^+ \rho^-$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 26 |
| 151 | Measurements of the branching fractions for $B \rightarrow K^* \rho^+ + \rho^+ \rho^-$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 26 |
| 152 | Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421. | 3.9 | 25 |
| 153 | Observation of the decay $B_c^+ \rightarrow \rho^+ K^+ K^0$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 25 |
| 154 | Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 25 |
| 155 | Searches for Λ_b^0 and Ξ_b^0 decays to $K^+ \pi^-$ and $K^+ \pi^0$ final states with first observation of the $\Lambda_b^0 \rightarrow K^+ \pi^-$ decay. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 25 |
| 156 | Measurements of the branching fractions of $B^+ \rightarrow \rho^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462. | 3.9 | 24 |
| 157 | Observations of $B^+ \rightarrow \rho^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462. | 2.5 | 24 |
| 158 | Observation of $B^+ \rightarrow \rho^+ K^+$ decays and measurement of the $\theta_1(1285)$ mixing angle. Physical Review Letters, 2014, 112, 091802. | 7.8 | 24 |
| 159 | Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 24 |
| 160 | Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 24 |
| 161 | Measurement of the $B^+ \rightarrow \rho^+ K^+$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228. | 4.1 | 23 |
| 162 | Measurement of the $B^+ \rightarrow \rho^+ K^+$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Model-independent Dalitz plot analysis of $B \rightarrow \pi \pi$ decays. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633. | 4.1 | 22 |
| 164 | Model-independent search for CP violation in $B \rightarrow \pi \pi$ decays. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633. | 4.1 | 22 |
| 165 | First observations of $B \rightarrow \pi^0 \pi^+ \pi^-$, $D_s \rightarrow \pi^+ \pi^-$ and $D \rightarrow \pi^0 \pi^+$ decays. <i>Physical Review D</i> , 2013, 87, . | 4.7 | 22 |
| 166 | Measurement of the $B \rightarrow \pi^0 \pi^+ \pi^-$ asymmetry in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013, 110, 031801. | 7.8 | 22 |
| 167 | Measurement of the CKM angle β_3 using $B \rightarrow \pi^+ \pi^- DK$ decays with $D \rightarrow \pi^+ \pi^- K^0$ and $D \rightarrow \pi^+ \pi^- K^+$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 22 |
| 168 | Observation of $B \rightarrow \pi^0 \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , 2012, 108, 151801. | 7.8 | 21 |
| 169 | Search for CP violation using T-odd correlations in $D \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 7.8 | 21 |
| 170 | Search for CP violation using T-odd correlations in $D \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 21 |
| 171 | Search for CP violation in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2012, 108, 151801. | 4.7 | 20 |
| 172 | Measurement of the inclusive π^0 cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 022001. | 4.1 | 20 |
| 173 | Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^+$ decays. <i>Physical Review D</i> , 2012, 85, . | 4.7 | 20 |
| 174 | First observation of $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2012, 108, 151801. | 4.7 | 20 |
| 175 | Measurements of the branching fractions of the decays $B \rightarrow \pi^0 \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2014, 112, 041801. | 7.8 | 20 |
| 176 | Measurements of the branching fractions of the decays $B \rightarrow \pi^0 \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2012, 2012, . | 4.7 | 19 |
| 177 | First Measurement of the $B \rightarrow \pi^0 \pi^+ \pi^-$ -Violating Phase in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013, 110, 241802. | 7.8 | 19 |
| 178 | Measurement of the branching fractions of the decays $B \rightarrow \pi^0 \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2013, 87, . | 4.7 | 19 |
| 179 | Search for CP violation in the decay $B \rightarrow \pi^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595. | 4.1 | 19 |
| 180 | Electroweak baryogenesis in the minimal supersymmetric standard model. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 81, 63-70. | 0.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 18 |
| 182 | Measurement of the $B_s \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, . | 4.7 | 18 |
| 183 | Measurement of the fraction of $\Upsilon(1S)$ originating from $\Upsilon(1P)$ decays in pp collisions at $\sqrt{s}=7, TeV$ \sqrt{s} . Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 18 |
| 184 | Measurement of the effective $B \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2014, 90, . | 4.7 | 18 |
| 185 | Measurement of the effective $B \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2014, 90, . | 4.7 | 18 |
| 186 | Observation of $B^0 \rightarrow \tau^+ \tau^-$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, . | 3.9 | 17 |
| 187 | Observation of $B^0 \rightarrow \tau^+ \tau^-$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, . | 3.9 | 17 |
| 188 | Measurement of the effective $B \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2014, 90, . | 2.5 | 17 |
| 189 | Measurement of the $B \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2014, 90, . | 2.5 | 17 |
| 190 | Measurement of the $B \rightarrow \tau^+ \tau^-$ branching fraction and angular amplitudes. Physical Review D, 2014, 90, . | 7.8 | 17 |
| 191 | Lifetime in the $B \rightarrow \tau^+ \tau^-$ decays. Physical Review Letters, 2014, 112, 111802. | 7.8 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Search for CP violation in $D + \hat{\pi}^0 \rightarrow K_S^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 14 |
| 200 | Study of $B_{(s)}^0 \rightarrow K^0 K^{\pm} \pi^{\mp}$ decays with first observation of $B_{(s)}^0 \rightarrow K^0 K^{\pm} \pi^{\mp} \pi^{\pm}$ and $B_{(s)}^0 \rightarrow K^0 K^{\pm} \pi^{\mp} \pi^{\mp}$. Journal of High Energy Physics, 2013, 2013, . | 4.7 | 14 |
| 201 | A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 14 |
| 202 | Measurement of CP violation parameters in $B_{(s)}^0 \rightarrow K^0 K^{\pm} \pi^{\mp}$ decays. Physical Review D, 2014, 90, . | 4.7 | 14 |
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