

# Alessandro Cardini

## List of Publications by Year in descending order

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Version: 2024-02-01

533  
papers

27,776  
citations

8181

76  
h-index

9103

144  
g-index

539  
all docs

539  
docs citations

539  
times ranked

10234  
citing authors

| # | ARTICLE  | IF  | CITATIONS |
|---|--|-----|-----------|
| 1 | The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.                      | 1.2 | 1,752     |
| 2 | The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.  | 1.2 | 969       |
| 3 | Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Observations of $B \rightarrow K^* \ell^+ \ell^-$ Resonances | 7.8 | 845       |
| 4 | Consistent with Pentaquark States in $\Lambda_b^0$ Decays  | 7.8 | 816       |
| 5 | Observation of $B \rightarrow K^* \ell^+ \ell^-$ Resonances  |     |           |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | The tracking detector of the KLOE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 51-73.<br>Measurement of the Ratio of Branching Fractions $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \text{mathvariant="script"} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo}$ | 1.6 | 232       |
| 20 |  |     |           |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Observation of $\chi_c$ production in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2012, 707, 52-59.   | 4.1  | 123       |
| 38 | Final NOMAD results on $\Lambda_c^+$ and $\Lambda_c^0$ decays. Nuclear Physics B, 2001, 611, 3-39.  | 2.5  | 117       |
| 39 | Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.   | 3.9  | 117       |
| 40 | Measurement of $\chi_c$ production fractions in 7 TeV collisions. Physical Review D, 2012, 85, 072007.  | 4.7  | 116       |
| 41 | Evidence for the decay $\chi_c \rightarrow \psi' + \gamma$ . Physical Review Letters, 2018, 120, 061801.  | 4.1  | 115       |
| 42 | Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \psi' K^* \rightarrow \psi' K^* \pi^0$ . Journal of High Energy Physics, 2013, 2013, 1.                        | 2.5  | 114       |
| 43 | Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.  | 7.8  | 113       |
| 44 | Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \psi' K^* \rightarrow \psi' K^* \pi^0$ . Journal of High Energy Physics, 2013, 2013, 1.                        | 4.7  | 111       |
| 45 | Updated measurements of exclusive $\chi_c$ and $\chi_c(2S)$ 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       |
| 46 | Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.  | 1.2  | 110       |
| 47 | Measurement of the $\chi_c$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2012, 707, 52-59.  | 7.8  | 110       |
| 48 | Measurement of the $\chi_c$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2012, 707, 52-59.  | 7.8  | 108       |
| 49 | Measurement of $\chi_c$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.   | 3.9  | 106       |
| 50 | Search for Majorana Neutrinos in $B^0 \rightarrow \psi' K^* \pi^0$ Decays. Physical Review Letters, 2014, 112, 131802.  | 7.8  | 106       |
| 51 | First Observation of $\chi_c$ Violation in the Decays of $\chi_c$ . Physical Review Letters, 2018, 118, 221601.   | 7.8  | 105       |
| 52 | Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.   | 16.7 | 105       |
| 53 | Exclusive $\chi_c$ and $\chi_c(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.  | 3.6  | 104       |
| 54 | 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       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 103       |
| 56 | Search for heavy neutrinos mixing with tau neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 506, 27-38.  | 4.1 | 102       |
| 57 | Contributions to $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 101801.   | 7.8 | 102       |
| 58 | A triple GEM detector with pad readout for high rate charged particle triggering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 493-502. | 1.6 | 101       |
| 59 | Violation in the Phase Space of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 101801.  | 7.8 | 101       |
| 60 | Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7 | 100       |
| 61 | Observation of Excited $B_c$ Mesons. Physical Review Letters, 2012, 109, 172003.   | 4.7 | 99        |
| 62 | Amplitude analysis of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review D, 2017, 95, .   | 7.8 | 98        |
| 63 | Measurement of the fragmentation fraction $f_s/f_d$ and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 92        |
| 64 | High-rate particle triggering with triple-GEM detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 106-112.                           | 1.6 | 85        |
| 65 | Measurement of $\bar{c} \ell^+ \ell^-$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.   | 3.9 | 83        |
| 66 | Study of $D^* \ell^+ \ell^-$ meson decays to $D^* \ell^+ \ell^-$ , $D^* \ell^+ \ell^-$ and $D^* \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 82        |
| 67 | Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .   | 7.8 | 82        |
| 68 | Search for the Decays $B \rightarrow D^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2015, 2015, .  | 4.7 | 82        |
| 69 | Measurement of $B \rightarrow D^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .   | 7.8 | 81        |
| 70 | Measurement of $B \rightarrow D^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .   | 7.8 | 80        |
| 71 | Dalitz plot analysis of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review D, 2015, 92, .   | 4.7 | 80        |
| 72 | Dalitz plot analysis of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review D, 2015, 92, .   | 4.7 | 80        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Search for long-lived scalar particles in $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.<br>$\frac{B \rightarrow K^* \mu^+ \mu^-}{B \rightarrow K^* e^+ e^-} \approx 1$  | 4.7 | 79        |
| 74 | Measurement of $B \rightarrow K^* \mu^+ \mu^-$ violation in the Phase Space of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.   | 7.8 | 78        |
| 75 | Search for Structure in the $B \rightarrow K^* \mu^+ \mu^-$ Mass Spectrum. <i>Physical Review Letters</i> , 2016, 117, 152003.   | 4.7 | 78        |
| 76 | First observation of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2012, 108, 201801.   | 4.7 | 76        |
| 77 | Particle and High-Energy Physics, 2011, 698, 115-122.<br>Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016, 40, 011001.   | 3.7 | 77        |
| 78 | Measurement of the polarization in charged current interactions in the NOMAD experiment. <i>Nuclear Physics B</i> , 2000, 588, 3-36.   | 2.5 | 75        |
| 79 | Measurements of $B \rightarrow K^* \mu^+ \mu^-$ and Mass with the $B \rightarrow K^* \mu^+ \mu^-$ decay width difference with $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212.                            | 7.8 | 75        |
| 80 | Observation of CP violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212.   | 4.7 | 75        |
| 81 | Measurements of the S-wave fraction in $B \rightarrow K^* \mu^+ \mu^-$ decays and the $B \rightarrow K^* \mu^+ \mu^-$ differential branching. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 4.7 | 75        |
| 82 | Measurement of $B \rightarrow K^* \mu^+ \mu^-$ violation and the $B \rightarrow K^* \mu^+ \mu^-$ decay width difference with $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212.                             | 4.7 | 74        |
| 83 | Study of $J/\psi$ 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.  | 4.7 | 74        |
| 84 | A precise measurement of the muon neutrino $\sigma_{\nu N}^{\mu}$ nucleon inclusive charged current cross section off an isoscalar target in the energy range $2.5 < E_{\nu} < 10$ GeV by NOMAD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 478, 299-304. | 4.1 | 73        |
| 85 | Measurement of $B \rightarrow K^* \mu^+ \mu^-$ components in $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.   | 4.7 | 73        |
| 86 | Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via $\eta_c(1S) \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.  |     |           |

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|-----|---|------|-----------|
| 91  | Performance of the Muon Identification at LHCb. Journal of Instrumentation, 2013, 8, P10020-P10020.   | 1.2  | 69        |
| 92  | Quantum numbers of the $X(3872)$ . Physical Review Letters, 2011, 106, 232001.  | 4.7  | 69        |
| 93  | Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7  | 69        |
| 94  | Measurement of the resonant and non-resonant components in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165.   | 4.7  | 67        |
| 95  | Search for the $D^0 \rightarrow K^+ K^- \pi^0$ decay. Journal of High Energy Physics, 2012, 2012, 165.  | 4.7  | 65        |
| 96  | Precision measurement of $D$ meson mass differences. Journal of High Energy Physics, 2013, 2013, .  | 4.7  | 65        |
| 97  | Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7  | 65        |
| 100 | Observation of $D^0 \rightarrow K^+ K^- \pi^0$ oscillations. Physical Review Letters, 2012, 108, 251802.  | 7.8  | 65        |
| 101 | Measurement of charmless $D^0 \rightarrow K^+ K^- \pi^0$ violation in the three-body phase space of charmless $D^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review Letters, 2012, 108, 241801.   | 4.7  | 65        |
| 102 | Precision Measurement of $D^0 \rightarrow K^+ K^- \pi^0$ Violation in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review Letters, 2015, 114, 041801.   | 7.8  | 65        |
| 103 | Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.  | 16.7 | 64        |
| 104 | First Observation of the Decay $D^0 \rightarrow K^+ K^- \pi^0$ . Physical Review Letters, 2012, 108, 251802.  | 7.8  | 62        |
| 105 | Determination of the Sign of the Decay Width Difference in the $D^0 \rightarrow K^+ K^- \pi^0$ System. Physical Review Letters, 2012, 108, 241801.  | 7.8  | 61        |
| 106 | Measurement of $D^0 \rightarrow K^+ K^- \pi^0$ violation in the three-body phase space of charmless $D^0 \rightarrow K^+ K^- \pi^0$ decays in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 132001. | 7.8  | 61        |
| 107 | Measurement of $D^0 \rightarrow K^+ K^- \pi^0$ violation in the three-body phase space of charmless $D^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review Letters, 2012, 108, 241801.   | 4.1  | 60        |
| 108 | Analysis of the resonant components in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Journal of High Energy Physics, 2011, 699, 330-340.  | 4.7  | 60        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | A precision measurement of charm dimuon production in neutrino interactions from the NOMAD experiment. Nuclear Physics B, 2013, 876, 339-375.   | 2.5 | 59        |
| 110 | Precision measurement of the $B_{s^0} \rightarrow B_{s^0} \mu^+ \mu^-$ oscillation frequency with the decay $B_{s^0} \rightarrow B_{s^0} \mu^+ \mu^-$ . New Journal of Physics, 2013, 15, 053021. | 2.9 | 59        |
| 111 | Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .   | 4.7 | 59        |
| 112 | Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.   | 4.1 | 58        |
| 113 | Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.  | 3.9 | 58        |
| 114 | Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .   | 4.7 | 56        |
| 115 | Observation of a Resonance in $B \rightarrow B \mu^+ \mu^-$ . Physical Review Letters, 2013, 111, 232001.   | 7.8 | 56        |
| 116 | Observation of $B \rightarrow B \mu^+ \mu^-$ and $B \rightarrow B \mu^+ \mu^-$ decays. Physical Review Letters, 2013, 111, 232001.  | 4.7 | 55        |
| 117 | Measurement of $B \rightarrow B \mu^+ \mu^-$ decay amplitudes and CP asymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.               | 4.1 | 54        |
| 118 | Study of the $D^0 \rightarrow \mu^+ \mu^-$ amplitude in $\bar{B}^0 \rightarrow D^0 \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2017, 2017, 147.  | 4.7 | 54        |
| 119 | Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.   | 3.9 | 54        |
| 120 | Measurement of the cross-section for $Z \mu^+ \mu^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 4.7 | 53        |
| 121 | Measurement of $\psi(2S) \rightarrow \mu^+ \mu^-$ polarisation in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.   | 3.9 | 53        |
| 122 | Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 52        |
| 123 | Measurement of the exclusive $\hat{\nu}_\tau$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.                           | 4.7 | 52        |
| 124 | Measurement of the $b \rightarrow c \mu^+ \mu^-$ Quark Production Cross Section in 7 and 13 TeV $pp$ Collisions. Physical Review Letters, 2017, 118, 052002.                                      | 7.8 | 52        |
| 125 | A search for $\hat{\nu}_\tau$ oscillations using the NOMAD detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 431, 219-236.                        | 4.1 | 51        |
| 126 | First Observation of the Decay $B \rightarrow B \mu^+ \mu^-$ . Physical Review Letters, 2013, 110, 151803.  | 7.8 | 51        |



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|-----|--|-----|-----------|
| 127 | Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. European Physical Journal C, 2017, 77, 161.                                      | 3.9 | 51        |
| 128 | Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2012, 108, 181806.  | 7.8 | 50        |
| 129 | Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 50        |
| 130 | Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 50        |
| 131 | Precision measurement of the ratio of the $R_{K^*}$ to $R_K$ to first observation and amplitude analysis of the $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2015, 91, .                                 | 4.1 | 50        |
| 132 | Prediction of neutrino fluxes in the NOMAD experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 800-828.      | 4.7 | 50        |
| 133 | First Evidence of Direct $C \rightarrow P$ Violation in Charmless Two-Body Decays of $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2012, 108, 201601.   | 1.6 | 49        |
| 134 | Searches for Majorana neutrinos in $B^0$ decays. Physical Review D, 2012, 85, .  | 7.8 | 49        |
| 135 | Measurements of long-range near-side angular correlations in proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 473-483. | 4.7 | 49        |
| 136 |  |     |           |
| 137 |  |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.<br>Measurement of $D^0 \rightarrow \pi^+ \pi^-$ Mixing Parameters and Search for $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters and Search for $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters. Physical Review Letters, 2014, 113, 242002.                                   | 3.9 | 44        |
| 146 | Measurement of $B_c^+ \rightarrow \mu^+ \nu_\mu X$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$<br>$\mu^+ \nu_\mu X$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ . European Physical Journal C, 2014, 74, 2839.  | 3.9 | 43        |
| 147 | Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$<br>$\mu^+ \nu_\mu X$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ . European Physical Journal C, 2014, 74, 2839.   | 3.9 | 43        |
| 148 | Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$<br>$\mu^+ \nu_\mu X$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ . European Physical Journal C, 2014, 74, 2839.   | 3.9 | 43        |
| 149 | Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.<br>Measurement of the Difference of Time-Integrated<br>Asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters and Search for $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters. Physical Review Letters, 2014, 113, 242002.                                     | 1.2 | 42        |
| 150 | Measurement of the Difference of Time-Integrated<br>Asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters and Search for $D^0 \rightarrow \pi^+ \pi^-$ Mixing<br>Parameters. Physical Review Letters, 2014, 113, 242002.  | 7.8 | 42        |
| 151 | Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.   | 1.2 | 41        |
| 152 | First observation of the decay $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ . Journal of High Energy Physics, 2013, 2013, 1.  | 4.7 | 41        |
| 153 | Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.<br>Measurement of the CP-violating phase<br>altimg="si1.gif"<br>overflow="scroll"><math>B_c^+ \rightarrow \mu^+ \nu_\mu \psi</math><br>xlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"<br>overflow="scroll"><math>B_c^+ \rightarrow \mu^+ \nu_\mu \psi</math> | 3.9 | 41        |
| 154 | Search for Lepton Number Violating Decays $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ and $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ . Physical Review Letters, 2012, 108, 101601.   | 4.1 | 40        |
| 155 | Search for Lepton Number Violating Decays $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ and $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ . Physical Review Letters, 2012, 108, 101601.   | 7.8 | 39        |
| 156 | Precision Measurement of the Mass and Lifetime of the $B_c^+$<br>display="inline"><math>B_c^+</math><br>mathvariant="bold"> $\hat{b}$<br>Physical Review Letters, 2014, 113, 242002.  | 7.8 | 39        |
| 157 | Study of the kinematic dependences of $\hat{b} \rightarrow \mu^+ \nu_\mu \psi$ production in pp collisions and a measurement of the $\hat{b} \rightarrow \mu^+ \nu_\mu \psi$<br>$\hat{b} \rightarrow \mu^+ \nu_\mu \psi$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 39        |
| 158 | Study of $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$ Production in Jets. Physical Review Letters, 2017, 118, 192001.   | 7.8 | 39        |
| 159 | Search for $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$<br>display="inline"><math>B_c^+</math><br>stretchy="false"><math>B_c^+</math><br>stretchy="false"><math>B_c^+</math>  | 4.1 | 38        |
| 160 | Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu \psi$<br>display="inline"><math>B_c^+</math><br>mathvariant="normal"> $D$<br>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        |
| 161 | Production of associated $\Upsilon$ 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.  | 4.7 | 37        |
| 162 | Prompt and nonprompt $J/\psi$ production and nuclear modification in p-Pb collisions at $\sqrt{s} = 2.76$ and 5.02 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.   | 4.1 | 37        |

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|-----|--|-----|-----------|
| 163 | Measurement of the polarization in $\hat{1}/2\hat{1}/4$ charged current interactions in the NOMAD experiment. Nuclear Physics B, 2001, 605, 3-14.  | 2.5 | 36        |
| 164 | First observation of the decay $B + \hat{a}t' \hat{I}E + \hat{1}/4 + \hat{1}/4 \hat{a}^{\sim}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 36        |
| 165 | Measurement of the relative rate of prompt $\hat{I}c0, \hat{I}c1$ and $\hat{I}c2$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 36        |
| 166 | Amplitude analysis and branching fraction measurement of $B \rightarrow \hat{a}t' \hat{I}K$ . Physical Review D, 2013, 87, .   | 4.7 | 36        |
| 167 | Precision Measurement of the Mass and Lifetime of the $\hat{z}b0$ Baryon. Physical Review Letters, 2014, 113, 032001.  | 7.8 | 36        |
| 168 | First measurement of the differential branching fraction and CP asymmetry of the $B \hat{A} \pm \hat{a}t' \hat{I}E \hat{A} \pm \hat{1}/4 + \hat{1}/4 \hat{a}^{\sim}$ decay. Journal of High Energy Physics, 2015, 2015, .                            | 4.7 | 36        |
| 169 | Search for a new gauge boson in $\hat{I}e0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 428, 197-205.  | 4.1 | 35        |
| 170 | Measurement of the CKM angle $\hat{I}^3$ from a combination of $B \rightarrow \hat{A} \pm \hat{a}t' \hat{I}K$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.                          | 4.1 | 35        |
| 171 | Evidence for the decay $B \rightarrow \hat{a}t' \hat{I}K$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 259-263.  | 4.1 | 35        |
| 172 | Precision Measurement of the $B \rightarrow \hat{a}t' \hat{I}K$ decay and measurement of the relative branching fractions of $B \rightarrow \hat{a}t' \hat{I}K$ and $B \rightarrow \hat{a}t' \hat{I}K$ . Physical Review Letters, 2013, 111, 102003. | 2.5 | 35        |
| 173 | Precision Measurement of the $B \rightarrow \hat{a}t' \hat{I}K$ decay and measurement of the relative branching fractions of $B \rightarrow \hat{a}t' \hat{I}K$ and $B \rightarrow \hat{a}t' \hat{I}K$ . Physical Review Letters, 2013, 111, 102003. | 2.5 | 35        |
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