

# J L Rodriguez

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,723  
citations

218677

26  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

6603  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.    | 3.9 | 320       |
| 2  | The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.   | 3.9 | 292       |
| 3  | Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.     | 4.7 | 230       |
| 4  | Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                    | 4.7 | 168       |
| 5  | Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 158       |
| 6  | Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 139       |
| 7  | Prompt and non-prompt $J/\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.   | 3.9 | 135       |
| 8  | Study of Exclusive Radiative B Meson Decays. Physical Review Letters, 2000, 84, 5283-5287.  | 7.8 | 134       |
| 9  | CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.  | 3.9 | 120       |
| 10 | Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$ , 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.                                      | 4.7 | 106       |
| 11 | Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.      | 4.7 | 97        |
| 12 | Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.      | 3.9 | 75        |
| 13 | Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.    | 4.7 | 69        |
| 14 | Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.                   | 4.7 | 59        |
| 15 | Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.          | 3.9 | 58        |
| 16 |   |     |           |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.          | 3.9 | 52        |
| 20 | Search for heavy bottom-like quarks in $4.9 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 45        |
| 21 | Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 38        |
| 22 | Measurement of the $\tau$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.                      | 3.9 | 37        |
| 23 | Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.  | 3.9 | 33        |
| 24 | Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 32        |
| 25 | Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.                                       | 3.9 | 32        |
| 26 | Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.   | 3.9 | 29        |
| 27 | Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 25        |
| 28 | Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 22        |
| 29 | Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.                                  | 4.7 | 13        |
| 30 | Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 11        |
| 31 | Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.                        | 3.9 | 11        |
| 32 | Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow a_1 a_1, a_1 a_2, a_1 \tau, a_1 \nu$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 11        |
| 33 | Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. , 2011, 2011, 1.  |     | 5         |