

Juan Cruz-Martinez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6253023/publications.pdf>

Version: 2024-02-01

20
papers

411
citations

1039406

9
h-index

996533

15
g-index

20
all docs

20
docs citations

20
times ranked

2848
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The path to proton structure at 1% accuracy. European Physical Journal C, 2022, 82, . | 1.4 | 138 |
| 2 | NNLO QCD corrections to Higgs boson production at large transverse momentum. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 87 |
| 3 | Second-order QCD effects in Higgs boson production through vector boson fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 672-677. | 1.5 | 42 |
| 4 | An open-source machine learning framework for global analyses of parton distributions. European Physical Journal C, 2021, 81, 1. | 1.4 | 26 |
| 5 | Towards a new generation of parton densities with deep learning models. European Physical Journal C, 2019, 79, 1. | 1.4 | 20 |
| 6 | Determining the proton content with a quantum computer. Physical Review D, 2021, 103, . | 1.6 | 20 |
| 7 | A comparative study of Higgs boson production from vector-boson fusion. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 17 |
| 8 | VegasFlow: Accelerating Monte Carlo simulation across multiple hardware platforms. Computer Physics Communications, 2020, 254, 107376. | 3.0 | 13 |
| 9 | The HiggsTools handbook: a beginners guide to decoding the Higgs sector. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 065004. | 1.4 | 10 |
| 10 | Jet cross sections and transverse momentum distributions with NNLOJET. , 2018, , . | | 9 |
| 11 | Future Tests of Parton Distributions. Acta Physica Polonica B, 2021, 52, 243. | 0.3 | 7 |
| 12 | PDFFlow: Parton distribution functions on GPU. Computer Physics Communications, 2021, 264, 107995. | 3.0 | 7 |
| 13 | Compressing PDF sets using generative adversarial networks. European Physical Journal C, 2021, 81, 1. | 1.4 | 6 |
| 14 | MadFlow: automating Monte Carlo simulation on GPU for particle physics processes. European Physical Journal C, 2021, 81, 1. | 1.4 | 4 |
| 15 | MadFlow: towards the automation of Monte Carlo simulation on GPU for particle physics processes. EPJ Web of Conferences, 2021, 251, 03022. | 0.1 | 2 |
| 16 | A data-based parametrization of parton distribution functions. European Physical Journal C, 2022, 82, 1. | 1.4 | 2 |
| 17 | NNLO corrections to VBF Higgs boson production. , 2018, , . | | 1 |
| 18 | PDFflow: hardware accelerating parton density access. , 2021, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Higgs Production at NNLO in VBF. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 277. | 0.0 | 0 |
| 20 | Constructing PineAPPL grids on hardware accelerators. , 2020, , . | | 0 |