

Juan Cruz-Martinez

List of Publications by Year in descending order

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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	A data-based parametrization of parton distribution functions. European Physical Journal C, 2022, 82, 1.	1.4	2
2	The path to proton structure at 1% accuracy. European Physical Journal C, 2022, 82, .	1.4	138
3	MadFlow: towards the automation of Monte Carlo simulation on GPU for particle physics processes. EPJ Web of Conferences, 2021, 251, 03022.	0.1	2
4	Future Tests of Parton Distributions. Acta Physica Polonica B, 2021, 52, 243.	0.3	7
5	PDFflow: hardware accelerating parton density access. , 2021, , .		0
6	Determining the proton content with a quantum computer. Physical Review D, 2021, 103, .	1.6	20
7	Compressing PDF sets using generative adversarial networks. European Physical Journal C, 2021, 81, 1.	1.4	6
8	MadFlow: automating Monte Carlo simulation on GPU for particle physics processes. European Physical Journal C, 2021, 81, 1.	1.4	4
9	PDFFlow: Parton distribution functions on GPU. Computer Physics Communications, 2021, 264, 107995.	3.0	7
10	An open-source machine learning framework for global analyses of parton distributions. European Physical Journal C, 2021, 81, 1.	1.4	26
11	A comparative study of Higgs boson production from vector-boson fusion. Journal of High Energy Physics, 2021, 2021, 1.	1.6	17
12	VegasFlow: Accelerating Monte Carlo simulation across multiple hardware platforms. Computer Physics Communications, 2020, 254, 107376.	3.0	13
13	Constructing PineAPPL grids on hardware accelerators. , 2020, , .		0
14	Towards a new generation of parton densities with deep learning models. European Physical Journal C, 2019, 79, 1.	1.4	20
15	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
16	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
17	Jet cross sections and transverse momentum distributions with NNLOJET. , 2018, , .		9
18	Higgs Production at NNLO in VBF. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 277.	0.0	0

#	ARTICLE	IF	CITATIONS
19	NNLO corrections to VBF Higgs boson production. , 2018, , .		1
20	NNLO QCD corrections to Higgs boson production at large transverse momentum. Journal of High Energy Physics, 2016, 2016, 1.	1.6	87