

Maria Ubiali

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,994
citations

172457

29
h-index

254184

43
g-index

46
all docs

46
docs citations

46
times ranked

6978
citing authors

#	ARTICLE	IF	CITATIONS
1	Parton distributions with LHC data. Nuclear Physics B, 2013, 867, 244-289.	2.5	1,299
2	Parton distributions for the LHC run II. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1,298
3	Parton distributions from high-precision collider data. European Physical Journal C, 2017, 77, 663.	3.9	897
4	A first unbiased global NLO determination of parton distributions and their uncertainties. Nuclear Physics B, 2010, 838, 136-206.	2.5	291
5	Impact of heavy quark masses on parton distributions and LHC phenomenology. Nuclear Physics B, 2011, 849, 296-363.	2.5	271
6	A determination of parton distributions with faithful uncertainty estimation. Nuclear Physics B, 2009, 809, 1-63.	2.5	207
7	Unbiased global determination of parton distributions and their uncertainties at NNLO and at LO. Nuclear Physics B, 2012, 855, 153-221.	2.5	198
8	The path to proton structure at 1% accuracy. European Physical Journal C, 2022, 82, .	3.9	138
9	Reweighting and unweighting of parton distributions and the LHC W lepton asymmetry data. Nuclear Physics B, 2012, 855, 608-638.	2.5	122
10	Reweighting NNPDFs: The W lepton asymmetry. Nuclear Physics B, 2011, 849, 112-143.	2.5	114
11	Precision determination of electroweak parameters and the strange content of the proton from neutrino deep-inelastic scattering. Nuclear Physics B, 2009, 823, 195-233.	2.5	95
12	b-initiated processes at the LHC: a reappraisal. Journal of High Energy Physics, 2012, 2012, 1.	4.7	94
13	Fitting parton distribution data with multiplicative normalization uncertainties. Journal of High Energy Physics, 2010, 2010, 1.	4.7	84
14	Higgs production in bottom-quark fusion in a matched scheme. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 331-337.	4.1	54
15	Parton distributions with theory uncertainties: general formalism and first phenomenological studies. European Physical Journal C, 2019, 79, 1.	3.9	51
16	Precision NNLO determination of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/$	4.1	50
17	Heavy charged Higgs boson production at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
18	Parton distributions with threshold resummation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48

#	ARTICLE	IF	CITATIONS
19	Higgs production in bottom-quark fusion: Matching beyond leading order. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 190-196.	4.1	43
20	Can New Physics Hide inside the Proton?. Physical Review Letters, 2019, 123, 132001.	7.8	40
21	Precision determination of the strong coupling constant within a global PDF analysis. European Physical Journal C, 2018, 78, 408.	3.9	39
22	Improved cross-section predictions for heavy charged Higgs boson production at the LHC. Physical Review D, 2015, 91, .	4.7	38
23	The strangest proton?. European Physical Journal C, 2020, 80, 1.	3.9	36
24	The impact of the LHC Z-boson transverse momentum data on PDF determinations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
25	Parton distributions in the SMEFT from high-energy Drell-Yan tails. Journal of High Energy Physics, 2021, 2021, 1.	4.7	32
26	Theoretical issues in PDF determination and associated uncertainties. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 330-339.	4.1	31
27	Accurate predictions for charged Higgs production: Closing the $\frac{1}{\epsilon}$ window. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 87-92.		
28	An open-source machine learning framework for global analyses of parton distributions. European Physical Journal C, 2021, 81, 1.	3.9	26
29	Anatomy of double heavy-quark initiated processes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	22
30	Precision determination of α_s . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 87-92.	4.1	21
31	Borel resummation of soft gluon radiation and higher twists. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 313-319.	4.1	19
32	A first determination of parton distributions with theoretical uncertainties. European Physical Journal C, 2019, 79, 1.	3.9	19
33	A new generation of simultaneous fits to LHC data using deep learning. Journal of High Energy Physics, 2022, 2022, .	4.7	15
34	Single top production in PDF fits. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
35	Heavy-flavor parton distributions without heavy-flavor matching prescriptions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
36	A fragmentation-based study of heavy quark production. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11

#	ARTICLE	IF	CITATIONS
37	On the impact of NMC data on NLO and NNLO parton distributions and Higgs production at the Tevatron and the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 36-42.	4.1	10
38	Z boson production in bottom-quark fusion: a study of b-mass effects beyond leading order. European Physical Journal C, 2018, 78, 932.	3.9	9
39	b-initiated processes at the LHC: a reappraisal. , 2012, 2012, 1.		3
40	PDFs and LHC data: current and future constraints. EPJ Web of Conferences, 2015, 90, 07001.	0.3	1
41	Higgs production in bottom-quark fusion: Matching beyond leading order. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136326.	4.1	0