

Maria Ubiali

List of Publications by Year in descending order

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41
papers

5,994
citations

172457

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254184

43
g-index

46
all docs

46
docs citations

46
times ranked

6978
citing authors

#	ARTICLE	IF	CITATIONS
1	The path to proton structure at 1% accuracy. European Physical Journal C, 2022, 82, .	3.9	138
2	A new generation of simultaneous fits to LHC data using deep learning. Journal of High Energy Physics, 2022, 2022, .	4.7	15
3	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
4	Parton distributions in the SMEFT from high-energy Drell-Yan tails. Journal of High Energy Physics, 2021, 2021, 1.	4.7	32
5	An open-source machine learning framework for global analyses of parton distributions. European Physical Journal C, 2021, 81, 1.	3.9	26
6	A fragmentation-based study of heavy quark production. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
7	Single top production in PDF fits. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
8	The strangest proton?. European Physical Journal C, 2020, 80, 1.	3.9	36
9	A first determination of parton distributions with theoretical uncertainties. European Physical Journal C, 2019, 79, 1.	3.9	19
10	Can New Physics Hide inside the Proton?. Physical Review Letters, 2019, 123, 132001.	7.8	40
11	Parton distributions with theory uncertainties: general formalism and first phenomenological studies. European Physical Journal C, 2019, 79, 1.	3.9	51
12	Heavy-flavor parton distributions without heavy-flavor matching prescriptions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
13	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
14	Precision determination of the strong coupling constant within a global PDF analysis. European Physical Journal C, 2018, 78, 408.	3.9	39
15	Accurate predictions for charged Higgs production: Closing the window. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 67-82.		
16	Parton distributions from high-precision collider data. European Physical Journal C, 2017, 77, 663.	3.9	897
17	The impact of the LHC Z-boson transverse momentum data on PDF determinations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	32
18	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

#	ARTICLE	IF	CITATIONS
19	Anatomy of double heavy-quark initiated processes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	22
20	Heavy charged Higgs boson production at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
21	Improved cross-section predictions for heavy charged Higgs boson production at the LHC. Physical Review D, 2015, 91, .	4.7	38
22	Parton distributions with threshold resummation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
23	PDFs and LHC data: current and future constraints. EPJ Web of Conferences, 2015, 90, 07001.	0.3	1
24	Parton distributions for the LHC run II. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1,298
25	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
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	Parton distributions with LHC data. Nuclear Physics B, 2013, 867, 244-289.	2.5	1,299
28	Unbiased global determination of parton distributions and their uncertainties at NNLO and at LO. Nuclear Physics B, 2012, 855, 153-221.	2.5	198
29	Reweighting and unweighting of parton distributions and the LHC W lepton asymmetry data. Nuclear Physics B, 2012, 855, 608-638.	2.5	122
30	b-initiated processes at the LHC: a reappraisal. Journal of High Energy Physics, 2012, 2012, 1.	4.7	94
31	Precision NNLO determination of α_s at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 1-10. <small>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/</small>	4.1	50
32	b-initiated processes at the LHC: a reappraisal. , 2012, 2012, 1.		3
33	Reweighting NNPDFs: The W lepton asymmetry. Nuclear Physics B, 2011, 849, 112-143.	2.5	114
34	Impact of heavy quark masses on parton distributions and LHC phenomenology. Nuclear Physics B, 2011, 849, 296-363.	2.5	271
35	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, 1-10. <small>Precision determination of α_s at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 1-10.</small>	4.1	10
36	<small>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/x</small>	4.1	21

#	ARTICLE	IF	CITATIONS
37	Fitting parton distribution data with multiplicative normalization uncertainties. Journal of High Energy Physics, 2010, 2010, 1.	4.7	84
38	A first unbiased global NLO determination of parton distributions and their uncertainties. Nuclear Physics B, 2010, 838, 136-206.	2.5	291
39	A determination of parton distributions with faithful uncertainty estimation. Nuclear Physics B, 2009, 809, 1-63.	2.5	207
40	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
41	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