

Luca Merlo

List of Publications by Year in descending order

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62
papers

3,045
citations

117625

34
h-index

155660

55
g-index

68
all docs

68
docs citations

68
times ranked

4928
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for BSM physics in Yukawa couplings and flavour symmetries. Journal of High Energy Physics, 2022, 2022, 1.	4.7	4
2	Neutrino masses and Hubble tension via a Majoron in MFV. European Physical Journal C, 2021, 81, 1.	3.9	22
3	Production of thermal axions across the electroweak phase transition. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 090.	5.4	23
4	A new bound on CP violation in the \tilde{l}_τ lepton Yukawa coupling and electroweak baryogenesis. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
5	Probing effective field theory approach in the CP violating minimal linear Σ model. European Physical Journal C, 2021, 81, 1.	3.9	0
6	Testable axion-like particles in the minimal linear \tilde{l}_f model. Nuclear Physics B, 2020, 950, 114839.	2.5	4
7	Data driven flavour model. European Physical Journal C, 2020, 80, 1.	3.9	7
8	Exotic vectorlike quark phenomenology in the minimal linear \tilde{l}_f model. Physical Review D, 2020, 101, .	4.7	23
9	Same-sign WW scattering in the HEFT: discoverability vs. EFT validity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
10	Revisiting the production of ALPs at B-factories. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
11	Flavor constraints on electroweak ALP couplings. European Physical Journal C, 2019, 79, 1.	3.9	61
12	Probing low energy scalar leptoquarks by the leptonic W and Z couplings. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
13	The minimal axion minimal linear Σ \tilde{l}_f model. European Physical Journal C, 2018, 78, 1.	3.9	10
14	Closing the window on single leptoquark solutions to the B-physics anomalies. Journal of High Energy Physics, 2018, 2018, 1.	4.7	189
15	Predictive leptogenesis from minimal lepton flavour violation. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
16	Distinguishing a Higgs-like dilaton scenario with a complete bosonic effective field theory basis. Physical Review D, 2017, 96, .	4.7	20
17	Baryon non-invariant couplings in Higgs effective field theory. European Physical Journal C, 2017, 77, 1.	3.9	16
18	Revisiting Minimal Lepton Flavour Violation in the light of leptonic CP violation. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23

#	ARTICLE	IF	CITATIONS
19	ALPs effective field theory and collider signatures. European Physical Journal C, 2017, 77, 572.	3.9	164
20	The minimal flavour violating axion. Journal of High Energy Physics, 2017, 2017, 1.	4.7	42
21	Analysis of general power counting rules in effective field theory. European Physical Journal C, 2016, 76, 1.	3.9	68
22	The complete HEFT Lagrangian after the LHC Run I. European Physical Journal C, 2016, 76, 1.	3.9	58
23	Gauged lepton flavour. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
24	Sigma decomposition: the CP-odd Lagrangian. Journal of High Energy Physics, 2016, 2016, 1-20.	4.7	9
25	Non-linear Higgs portal to Dark Matter. Journal of High Energy Physics, 2016, 2016, 1-35.	4.7	13
26	Bayesian comparison of $U(1)$ models. Journal of High Energy Physics, 2016, 2016, 1-89.	4.7	20
27	Sigma decomposition. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
28	CP violation with a dynamical Higgs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
29	Higgs ultraviolet softening. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
30	Disentangling a dynamical Higgs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	108
31	Leptonic dynamical Yukawa couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
32	The effective chiral Lagrangian for a light dynamical Higgs particle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 330-335.	4.1	163
33	Dark matter within the minimal flavour violation ansatz. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 135-143.	4.1	43
34	Neutrino mixings and the S_4 discrete flavour symmetry. Fortschritte Der Physik, 2013, 61, 571-596.	4.4	25
35	Tri-bimaximal neutrino mixing and discrete flavour symmetries. Fortschritte Der Physik, 2013, 61, 507-534.	4.4	69
36	Flavor with a light dynamical Higgs particle. Physical Review D, 2013, 87, .	4.7	38

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37	Discrete flavour groups, \hat{I}_3 and lepton flavour violation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	94
38	Repressing anarchy in neutrino mass textures. Journal of High Energy Physics, 2012, 2012, 1.	4.7	50
39	On the potential of leptonic Minimal Flavour Violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 194-198.	4.1	29
40	Phenomenology of a gauged SU(3) ³ flavour model. Journal of High Energy Physics, 2012, 2012, 1.	4.7	42
41	Minimal flavour violation with strong Higgs dynamics. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
42	Bimaximal Neutrino Mixing with Discrete Flavour Symmetries. Journal of Physics: Conference Series, 2011, 335, 012049.	0.4	3
43	Ultraviolet completion of flavour models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
44	Constraining flavour symmetries at the EW scale I: the A 4 Higgs potential. Journal of High Energy Physics, 2011, 2011, 1.	4.7	44
45	Constraining flavour symmetries at the EW scale II: the fermion processes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35
46	Minimal flavour violation extensions of the seesaw. Journal of High Energy Physics, 2011, 2011, 1.	4.7	62
47	On the scalar potential of minimal flavour violation. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
48	The impact of flavour changing neutral gauge bosons on $\text{Br}(\text{B} \rightarrow \text{X}_s \gamma)$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
49	Flavour violation in a supersymmetric $\text{T}\hat{\epsilon}^2$ model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	24
50	Vacuum alignment in SUSY A 4 models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	53
51	The interplay between GUT and flavour symmetries in a Pati-Salam \tilde{A}_4 S4 model. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
52	Bimaximal Neutrino Mixing and Weak Complementarity with S[₄] Discrete Symmetry. , 2010, , .		3
53	Tri/Bi-maximal lepton mixing and leptogenesis. Nuclear Physics B, 2010, 827, 34-58.	2.5	57
54	Lepton flavour violation in a supersymmetric model with flavour symmetry. Nuclear Physics B, 2010, 832, 251-288.	2.5	42

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55	Running effects on lepton mixing angles in flavour models with type I seesaw. Nuclear Physics B, 2010, 835, 238-261.	2.5	27
56	Lepton Flavour Violation in Models with A4 Flavour Symmetry. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 345-347.	0.4	6
57	Phenomenological consequences of the seesaw mechanism in S_{4} -based models. Physical Review D, 2009, 80, .	4.7	71
58	Lepton flavour violation in models with A_4 flavour symmetry. Nuclear Physics B, 2009, 809, 218-243.	2.5	87
59	Fermion masses and mixings in a based model. Nuclear Physics B, 2009, 816, 204-226.	2.5	135
60	Revisiting bimaximal neutrino mixing in a model with S_4 discrete symmetry. Journal of High Energy Physics, 2009, 2009, 020-020.	4.7	146
61	LFV and dipole moments in models with A_4 flavour symmetry. Journal of Physics: Conference Series, 2009, 171, 012083.	0.4	7
62	Tri-bimaximal neutrino mixing and quark masses from a discrete flavour symmetry. Nuclear Physics B, 2007, 775, 120-142.	2.5	214