

Frank F Deppisch

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,862
citations

304743

22
h-index

289244

40
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43
all docs

43
docs citations

43
times ranked

4189
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrinos and collider physics. <i>New Journal of Physics</i> , 2015, 17, 075019.	2.9	381
2	Neutrinoless double-beta decay and physics beyond the standard model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 124007.	3.6	207
3	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 090501.	3.6	133
4	Neutrinoless double beta decay versus other probes of heavy sterile neutrinos. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	109
5	Lepton flavor violation and \tilde{L}_3 minimal resonant leptogenesis. <i>Physical Review D</i> , 2011, 83, .	4.7	76
6	Falsifying High-Scale Leptogenesis at the LHC. <i>Physical Review Letters</i> , 2014, 112, 221601.	7.8	66
7	Pinning Down the Mechanism of Neutrinoless Double β Decay with Measurements in Different Nuclei. <i>Physical Review Letters</i> , 2007, 98, 232501.	7.8	62
8	Long-lived heavy neutrinos from Higgs decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	57
9	Signal of right-handed charged gauge bosons at the LHC?. <i>Physical Review D</i> , 2014, 90, .	4.7	54
10	Analysis of light neutrino exchange and short-range mechanisms in \tilde{L}_3 decay. <i>Physical Review D</i> , 2020, 102, .	4.7	54
11	Double beta decay, lepton flavor violation, and collider signatures of left-right symmetric models with spontaneous D -parity breaking. <i>Physical Review D</i> , 2015, 91, .	4.7	52
12	Short-range neutrinoless double beta decay mechanisms. <i>Physical Review D</i> , 2018, 98, .	4.7	44
13	Heavy neutrino production via Z at the lifetime frontier. <i>Physical Review D</i> , 2019, 100, .	4.7	44
14	Is charged lepton flavor violation a high energy phenomenon?. <i>Physical Review D</i> , 2014, 89, .	4.7	43
15	Falsifying high-scale baryogenesis with neutrinoless double beta decay and lepton flavor violation. <i>Physical Review D</i> , 2015, 92, .	4.7	43
16	Neutrinoless double beta decay and the baryon asymmetry of the Universe. <i>Physical Review D</i> , 2018, 98, .	4.7	42
17	Implications of the diphoton excess on left \leftrightarrow right models and gauge unification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 223-230.	4.1	39
18	Dark matter and exotic neutrino interactions in direct detection searches. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	36

#	ARTICLE	IF	CITATIONS
19	Reconciling the 2 \hat{A} TeV excesses at the LHC in a linear seesaw left-right model. Physical Review D, 2016, 93, .	4.7	34
20	Neutrino self-interactions and double beta decay. Physical Review D, 2020, 102, .	4.7	32
21	Searching for New Physics in Two-Neutrino Double Beta Decay. Physical Review Letters, 2020, 125, 171801.	7.8	23
22	331 models and grand unification: From minimal SU(5) to minimal SU(6). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 432-440.	4.1	22
23	Neutrinoless double beta decay in left-right symmetric models with a universal seesaw mechanism. Physical Review D, 2018, 97, .	4.7	22
24	Neutrinoless Double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Decay with Nonstandard Majoron Emission. Physical Review Letters, 2019, 122, 181801.	7.8	21
25	Alternative formulation of left-right symmetry with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle B \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ conservation and purely Dirac neutrinos. Physical Review D, 2019, 100, .	4.7	19
26	Two-neutrino double beta decay with sterile neutrinos. Physical Review D, 2021, 103, .	4.7	19
27	Surveying the SO(10) model landscape: The left-right symmetric case. Physical Review D, 2017, 96, .	4.7	17
28	Searching for a light $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ through Higgs production at the LHC. Physical Review D, 2019, 100, .	4.7	16
29	Double beta decay versus cosmology: MajoranaCPphases and nuclear matrix elements. Physical Review D, 2005, 72, .	4.7	14
30	Dark matter origins of neutrino masses. Physical Review D, 2015, 91, .	4.7	14
31	Probing new physics with long-range neutrino interactions: an effective field theory approach. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
32	Probing nonstandard lepton number violating interactions in neutrino oscillations. Physical Review D, 2019, 99, .	4.7	10
33	Constraining lepton number violating interactions in rare kaon decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
34	Compressed and split spectra in minimal SUSY SO(10). Frontiers in Physics, 2014, 2, .	2.1	9
35	Heavy neutrinos at the FCC-hh in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 98 Td (stretchy="false"} \langle \text{mml:math} \rangle$ model. Physical Review D, 2022, 105, .		
36	Probing the mechanism of neutrinoless double beta decay with SuperNEMO. Progress in Particle and Nuclear Physics, 2010, 64, 278-280.	14.4	6

#	ARTICLE	IF	CITATIONS
37	Neutrinoless double beta decay via light neutralinos in R-parity violating supersymmetry. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
38	Dark matter and lepton flavour violation in a hybrid neutrino mass model. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
39	Exotic neutrinoless double beta decay with Majoron-like emission. AIP Conference Proceedings, 2019, , .	0.4	1
40	Least-informative priors for $\langle m_{\nu} \rangle > 0$ decay searches. Physical Review D, 2021, 104, .	0.4	1
41	Probing lepton number violation on three frontiers. , 2013, , .		0
42	NEUTRINOS AND COLLIDER PHYSICS. , 2017, , 87-93.		0
43	SU(6) Grand Unification of 3-3-1 Model. Springer Proceedings in Physics, 2018, , 377-380.	0.2	0