

Francisco Del guila Gimnez

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106
papers

4,061
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37
h-index

61
g-index

110
ext. papers

4,257
ext. citations

4.1
avg, IF

5.33
L-index

#	Paper	IF	Citations
106	Distinguishing seesaw models at LHC with multi-lepton signals. <i>Nuclear Physics B</i> , 2009 , 813, 22-90	2.8	278
105	Heavy neutrino signals at large hadron colliders. <i>Journal of High Energy Physics</i> , 2007 , 2007, 047-047	5.4	164
104	Observable contributions of new exotic quarks to quark mixing. <i>Journal of High Energy Physics</i> , 2000 , 2000, 011-011	5.4	155
103	Specifically supersymmetric contribution to electric dipole moments. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 126, 71-73	4.2	148
102	Effects of new leptons in electroweak precision data. <i>Physical Review D</i> , 2008 , 78,	4.9	146
101	Higgs bosons in SO(10) and partial unification. <i>Nuclear Physics B</i> , 1981 , 177, 60-86	2.8	146
100	Gauge coupling renormalisation with several U(1) factors. <i>Nuclear Physics B</i> , 1988 , 307, 633-648	2.8	118
99	Electroweak scale seesaw and heavy Dirac neutrino signals at LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 672, 158-165	4.2	113
98	Superstring-inspired models. <i>Nuclear Physics B</i> , 1986 , 272, 413-438	2.8	110
97	The possibility of new fermions with $\Omega = 0$ mass. <i>Nuclear Physics B</i> , 1983 , 224, 107-136	2.8	109
96	Higher order QCD corrections to an exclusive two-photon process. <i>Nuclear Physics B</i> , 1981 , 193, 517-528	2.8	106
95	Electroweak limits on general new vector bosons. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	103
94	Detecting E6 neutral gauge bosons through lepton pairs at hadron colliders. <i>Nuclear Physics B</i> , 1987 , 287, 419-456	2.8	101
93	Effective description of quark mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 492, 98-106	4.2	95
92	Constraints on Top Couplings in Models with Exotic Quarks. <i>Physical Review Letters</i> , 1999 , 82, 1628-1631	7.4	95
91	Bulk fields with general brane kinetic terms. <i>Journal of High Energy Physics</i> , 2003 , 2003, 051-051	5.4	91
90	Heavy Majorana neutrinos in the effective Lagrangian description: Application to hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 670, 399-402	4.2	84

89	On the mass and the signature of a new Z. <i>Nuclear Physics B</i> , 1987 , 284, 530-556	2.8	74
88	Physical parameters and renormalization of $U(1)_a \times U(1)_b$ models. <i>Nuclear Physics B</i> , 1995 , 456, 531-549	2.8	66
87	Neutrino masses from an A_4 symmetry in holographic composite Higgs models. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	64
86	Vector-like fermion and standard Higgs production at hadron colliders. <i>Nuclear Physics B</i> , 1990 , 334, 1-23	2.8	56
85	One-loop effective lagrangians after matching. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	54
84	Effective Lagrangian approach to neutrinoless double beta decay and neutrino masses. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	53
83	Exotic (E6) particles in e^+e^- annihilation. <i>Nuclear Physics B</i> , 1988 , 297, 1-33	2.8	51
82	On the detectability of sleptons at large hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 261, 326-333	4.2	50
81	Neutrino physics at large colliders. <i>Journal of Physics: Conference Series</i> , 2006 , 53, 506-527	0.3	48
80	Analysis of neutral currents in superstring inspired models. <i>Nuclear Physics B</i> , 1987 , 283, 50-72	2.8	47
79	Low-energy models with two supersymmetries. <i>Nuclear Physics B</i> , 1985 , 250, 225-251	2.8	46
78	A new model of weak CP violation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 156, 243-249	4.2	45
77	The electric dipole moment of the tau. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 252, 116-118	4.2	44
76	Universality limits on bulk fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 493, 175-181	4.2	43
75	Reconstruction of the extended gauge structure from Z Observables at future colliders. <i>Physical Review D</i> , 1995 , 52, 37-43	4.9	43
74	LHC bounds on lepton number violation mediated by doubly and singly-charged scalars. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	40
73	Precise determination of the Wtb couplings at the CERN Large Hadron Collider. <i>Physical Review D</i> , 2003 , 67,	4.9	40
72	Signals from extra dimensions decoupled from the compactification scale. <i>Journal of High Energy Physics</i> , 2002 , 2002, 010-010	5.4	40

71	Correlation between MZ' and m_t bounds: (II). All data. <i>Nuclear Physics B</i> , 1992 , 372, 3-22	2.8	40
70	Collider aspects of flavor physics at high Q . <i>European Physical Journal C</i> , 2008 , 57, 183-307	4.2	38
69	Flavour and polarisation in heavy neutrino production at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 613, 170-180	4.2	36
68	ellW production at CLIC: a window to TeV scale non-decoupled neutrinos. <i>Journal of High Energy Physics</i> , 2005 , 2005, 026-026	5.4	35
67	Determination of ZTgauge couplings to quarks and leptons at future hadron colliders. <i>Physical Review D</i> , 1993 , 48, R969-R973	4.9	35
66	Tau custodian searches at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 449-453	4.2	32
65	On the g_{μ} and the events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 140, 431-434	4.2	32
64	Renormalization group analysis of extended electroweak models from the heterotic string. <i>Nuclear Physics B</i> , 1988 , 307, 571-632	2.8	31
63	Correlation between MZ , and m_t bounds (I). Neutral current data. <i>Nuclear Physics B</i> , 1991 , 361, 45-71	2.8	29
62	The possibility of using a large heavy-ion collider for measuring the electromagnetic properties of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 271, 256-260	4.2	28
61	Suppression of lepton number violation mediated by $\mu=0$ mass fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982 , 119, 144-150	4.2	28
60	Low energy CP violation in broken supersymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 129, 77-79	4.2	28
59	Possible method in some extensions of the standard model to produce and detect Higgs bosons at hadron colliders. <i>Physical Review Letters</i> , 1989 , 63, 942-944	7.4	27
58	Discriminating between lepton number violating scalars using events with four and three charged leptons at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 310-315	4.2	26
57	Could the quark electroweak and mass eigenstates coincide?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 196, 531-536	4.2	26
56	Collider limits on leptophilic interactions. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	25
55	A realistic model of neutrino masses with a large neutrinoless double beta decay rate. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	25
54	Supergravity corrections to (g_{μ}) in differential renormalization. <i>Nuclear Physics B</i> , 1997 , 504, 532-550	2.8	25

53	Effective description of brane terms in extra dimensions. <i>Journal of High Energy Physics</i> , 2006 , 2006, 056-056	5-4	25
52	A little Higgs model of neutrino masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 627, 131-136	4-2	24
51	MZ? mass bounds from neutrino-hadron neutral current data and a precise MZ measurement. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 254, 497-501	4-2	24
50	Light scalars in N=1 locally supersymmetric theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 122, 355-360	4-2	22
49	Electroweak constraints on new physics. <i>Fortschritte Der Physik</i> , 2011 , 59, 1036-1040	5-7	21
48	Lepton flavor violation in the Simplest Little Higgs model. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	20
47	Precision bounds on mH and mt. <i>Nuclear Physics B</i> , 1992 , 381, 451-466	2-8	18
46	Diagnostic power of future colliders for ZTcouplings to quarks and leptons: e+e- versus pp colliders. <i>Physical Review D</i> , 1994 , 50, 3158-3166	4-9	16
45	Invariant analysis of CP violation. <i>Computer Physics Communications</i> , 1997 , 100, 231-246	4-2	14
44	CP violation in the lepton sector with Majorana neutrinos. <i>Nuclear Physics B</i> , 1995 , 447, 211-226	2-8	14
43	Very large intermediate scales in three-generation models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 215, 93-98	4-2	14
42	The Z?-WW-qqjet+jet signal at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 201, 375-382	4-2	14
41	The electron anomalous magnetic moment in unbroken supergravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 145, 70-72	4-2	12
40	bb conversion in the Littlest Higgs model with T-parity. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5-4	10
39	Bulk fields with brane terms. <i>European Physical Journal C</i> , 2004 , 33, s773-s775	4-2	10
38	Hadron-collider limits on new electroweak interactions from the heterotic string. <i>Physical Review D</i> , 1990 , 41, 134-141	4-9	10
37	String goniometry by neutral currents. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 197, 89-95	4-2	10
36	Low-energy neutral current phenomenology and grand unified theories. <i>Nuclear Physics B</i> , 1981 , 189, 212-228	2-8	10

35	Lepton flavor changing Higgs decays in the littlest Higgs model with T-parity. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
34	Evidence for right-handed neutrinos at a neutrino factory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 683, 282-288	4.2	9
33	Impact of right-handed interactions on the propagation of Dirac and Majorana neutrinos in matter. <i>Physical Review D</i> , 2007 , 76,	4.9	9
32	Searching for the $Z\gamma \rightarrow \text{jet} + \text{jet}$ signal at hadron colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 221, 408-414	4.2	9
31	The standard model with mirror fermions. <i>Annals of Physics</i> , 1985 , 165, 237-258	2.5	9
30	Combined analysis of $Z \rightarrow \tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 685, 302-308	4.2	8
29	Effects of longitudinal photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 492, 123-134	4.2	8
28	Bounds on new Z bosons. <i>Physical Review D</i> , 1989 , 40, 2481-2483	4.9	8
27	The cosmological constant, non-compact symmetries and Weyl invariance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 180, 25-28	4.2	8
26	A generic problem for a class of three-generation models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 227, 55-60	4.2	7
25	$g_{\mu\nu}$ in spontaneously broken supergravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 160, 87-93	4.2	7
24	Distinguishing between lepton number violating scalars at the LHC. <i>EPJ Web of Conferences</i> , 2013 , 60, 17002	0.3	6
23	Is there any evidence for a heavy neutral fermion ($\nu(\tau)_R$)?. <i>Physical Review Letters</i> , 1991 , 66, 2943-2946	2.4	6
22	Lepton Number Violation and Scalar Searches at the LHC. <i>Acta Physica Polonica B</i> , 2013 , 44, 2139	1.9	5
21	Impact of extra particles on indirect $Z\gamma$ limits. <i>Physical Review D</i> , 2011 , 84,	4.9	5
20	Dalitz arrays of the $\rho(770)$ and $\omega(782)$ resonances. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1980 , 4, 1-10		5
19	Inverse see-saw neutrino masses in the Littlest Higgs model with T-parity. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
18	$Z \rightarrow \tau\tau$ decays into four fermions. <i>Physical Review D</i> , 1993 , 48, 425-428	4.9	4

17	Revising a class of three-generation models: Mass spectrum, renormalisation-group and proton-decay constraints. <i>Nuclear Physics B</i> , 1991 , 351, 90-114	2.8	4
16	Patterns of quark mass matrices in a class of Calabi-Yau models. <i>Nuclear Physics B</i> , 1995 , 440, 3-23	2.8	3
15	Spreading of gauge coupling constants in minimal LR models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 201, 315-320	4.2	3
14	Democratic formalism of three-body decays 1980 , 59, 283-343		3
13	The full lepton flavor of the littlest Higgs model with T-parity. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
12	Discrete regularisation of localised kinetic terms. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004 , 135, 295-299		2
11	Spin correlations at the Z peak. A probe to the Z? mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 280, 319-323	4.2	2
10	Z mass bounds. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1990 , 16, 621-623		2
9	Neutrino physics beyond neutrino masses. <i>Fortschritte Der Physik</i> , 2010 , 58, 675-681	5.7	1
8	Low energy constraints on orbifold models. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003 , 116, 326-330		1
7	NLO forward-backward charge asymmetries in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 628, 40-48	4.2	1
6	Detailed fermion mass and mixing angle predictions from a class of three-family models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 287, 335-341	4.2	1
5	The role of gauge singlets in three-generation models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 240, 389-395	4.2	1
4	On the small contribution to the Z0 width of a new and elusive vector-like down quark singlet. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 242, 503-506	4.2	1
3	SO(10) v BO(10) H grand unified-extended technicolour models. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1982 , 13, 347-353		1
2	Model-independent determination of Z? couplings at LEP 200. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1994 , 37, 177-180		
1	Spin test of $\chi(958)$ from its collinear production and collinear decay. <i>Physical Review D</i> , 1977 , 16, 2833-2835		