

Antonio Dobado

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/515691/publications.pdf>

Version: 2024-02-01

126
papers

3,930
citations

116194

36
h-index

145109

60
g-index

127
all docs

127
docs citations

127
times ranked

1822
citing authors

#	ARTICLE	IF	CITATIONS
1	Is gravitational collapse possible in $f(R)$ gravity?. Physical Review D, 2022, 105, .	1.6	5
2	Importance of fermion loops in W^+W^- elastic scattering. Nuclear and Particle Physics Proceedings, 2021, 312-317, 191-195.	0.2	2
3	Strongly coupled theories beyond the Standard Model. Progress in Particle and Nuclear Physics, 2020, 115, 103813.	5.6	19
4	Triggering the QCD phase transition through the Unruh effect: Chiral symmetry restoration for uniformly accelerated observers. Physical Review D, 2019, 99, .	1.6	2
5	Resonant production of Wh and Zh at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
6	Collider production of electroweak resonances from $\hat{\Gamma}\hat{\Gamma}^3$ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
7	Brout-Englert-Higgs mechanism for accelerating observers. Physical Review D, 2017, 96, .	1.6	4
8	Coupling WW , ZZ unitarized amplitudes to $\gamma\gamma$ in the TeV region. European Physical Journal C, 2017, 77, 1.	1.4	10
9	Top-antitop production from W^+W^- and ZL scattering under a strongly interacting symmetry-breaking sector. European Physical Journal C, 2017, 77, 1.	1.4	11
10	Production of vector resonances at the LHC via WZ -scattering: a unitarized EChL analysis. Journal of High Energy Physics, 2017, 2017, 1.	1.6	20
11	Electroweak resonances in HEFT. , 2017, , .		0
12	Entropy production in the early-cosmology pionic phase. International Journal of Modern Physics A, 2016, 31, 1650118.	0.5	3
13	Strongly interacting $WLWL$, $ZLZL$ and hh from unitarized one-loop computations. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2436-2438.	0.2	2
14	A strongly interacting electroweak symmetry breaking sector with a Higgs-like light scalar. AIP Conference Proceedings, 2016, , .	0.3	2
15	Unitarity, analyticity, dispersion relations, and resonances in strongly interacting W^+W^- scattering. Physical Review D, 2015, 91, 075011.	1.6	32
16	Possible New Resonance from W^+W^- Coupling. Physical Review Letters, 2015, 114, 221803.	1.6	25
17	Production Cross-Section Estimates for Strongly-Interacting Electroweak-Symmetry Breaking Sector Resonances at Particle Colliders. Communications in Theoretical Physics, 2015, 64, 701-709.	1.1	9
18	Light \tilde{H} Higgs TM , yet strong interactions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 025002.	1.4	41

#	ARTICLE	IF	CITATIONS
19	Strongly interacting electroweak symmetry breaking sector with a Higgs-like light scalar. , 2014, , .		3
20	The Raychaudhuri equation in homogeneous cosmologies. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 012-012.	1.9	30
21	One-loop $W L W L$ and $Z L Z L$ scattering from the electroweak Chiral Lagrangian with a light Higgs-like scalar. Journal of High Energy Physics, 2014, 2014, 1.	1.6	50
22	One-loop $\hat{\Gamma}^3 \hat{\Delta}^{\dagger} \hat{\Delta} \epsilon W L + W L \hat{\Delta}^{\dagger}$ and $\hat{\Gamma}^3 \hat{\Delta}^{\dagger} Z L Z L$ from the Electroweak Chiral Lagrangian with a light Higgs-like scalar. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
23	On the non-attractive character of gravity $\text{inf}(R)$ theories. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 009-009.	1.9	46
24	Brane worlds at the LHC: Branons and KK gravitons. Physical Review D, 2013, 88, .	1.6	24
25	Shear and bulk viscosities of a photon gas at low temperature. Physical Review D, 2013, 88, .	1.6	2
26	Bulk viscosity and the phase transition of the linear sigma model. Physical Review D, 2012, 86, .	1.6	46
27	Existence of two-solar-mass neutron star constrains gravitational constant $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ at strong field. Physical Review C, 2012, 85, .	1.1	21
28	Bulk viscosity and energy-momentum correlations in high energy hadron collisions. European Physical Journal C, 2012, 72, 1.	1.4	6
29	Photon spectra from WIMP annihilation. Physical Review D, 2011, 83, .	1.6	55
30	Fitting formulae for photon spectra from WIMP annihilation. Journal of Physics: Conference Series, 2011, 314, 012063.	0.3	10
31	Bulk viscosity of low-temperature strongly interacting matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 43-48.	1.5	50
32	Photon spectra from quark generation by WIMPs. , 2011, , .		8
33	Bulk Viscosity of a Pion Gas. , 2011, , .		0
34	VISCOSITY NEAR PHASE TRANSITIONS. , 2011, , .		0
35	Radiative corrections to the Higgs potential in the LH model. European Physical Journal C, 2010, 66, 429-443.	1.4	3
36	Black holes in modified gravity theories. Journal of Physics: Conference Series, 2010, 229, 012033.	0.3	11

#	ARTICLE	IF	CITATIONS
37	Brief introduction to viscosity in hadron physics. , 2010, , .		0
38	Comment on "Viable Singularity-Free(R)Gravity without a Cosmological Constant". Physical Review Letters, 2009, 103, 179001; discussion 179002.	2.9	31
39	$\hat{\eta}/s$ is critical (at phase transitions). , 2009, , .		1
40	Cosmological density perturbations in modified gravity theories. , 2009, , .		2
41	An introduction to the dark energy problem. Astrophysics and Space Science, 2009, 320, 167-171.	0.5	3
42	Black holes in $f(R)$ gravity. $f(R)$ gravity. Physical Review D, 2009, 79, 104017.	1.6	176
43	Minimum of $\hat{\eta}/s$ and the phase transition of the linear sigma model in the large- N limit. Physical Review D, 2009, 80, .	1.6	35
44	$\hat{\eta}/s$ and phase transitions. Physical Review D, 2009, 79, .	1.6	26
45	Towards the effective potential of the littlest Higgs model. European Physical Journal C, 2008, 58, 471-481.	1.4	1
46	Evolution of density perturbations in $f(R)$ gravity. Physical Review D, 2009, 79, 104017.	1.6	119
47	The Status of the KSS Bound and its Possible Violations (How Perfect Can a Fluid Be?). AIP Conference Proceedings, 2008, , .	0.3	15
48	Is the CMB cold spot a gate to extra dimensions?. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 039.	1.9	35
49	Could dark matter or neutrinos discriminate between the enantiomers of a chiral molecule?. Europhysics Letters, 2008, 82, 13002.	0.7	11
50	Some model-independent phenomenological consequences of flexible braneworlds. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6631-6640.	0.7	23
51	Higgs effective potential in the littlest Higgs model at the one-loop level. Physical Review D, 2007, 75, .	1.6	6
52	The ratio of viscosity to entropy density in a pion gas satisfies the KSS holographic bound. European Physical Journal C, 2007, 49, 1011-1013.	1.4	6
53	On electroweak symmetry breaking in the littlest Higgs model. European Physical Journal C, 2007, 50, 647-654.	1.4	3
54	On the violation of the holographic viscosity versus entropy KSS bound in non-relativistic systems. European Physical Journal C, 2007, 51, 913-918.	1.4	13

#	ARTICLE	IF	CITATIONS
55	Heat conductivity of a pion gas. , 2007, , 613-615.		0
56	Dark matter clues in the muon anomalous magnetic moment. Physical Review D, 2006, 73, .	1.6	39
57	Branon radiative corrections to collider physics and precision observables. Physical Review D, 2006, 73, .	1.6	40
58	f(R)gravity without a cosmological constant. Physical Review D, 2006, 74, .	1.6	200
59	BRANON DARK MATTER: AN INTRODUCTION. , 2005, , .		0
60	Shear viscosity in a CFL quark star. Journal of High Energy Physics, 2005, 2005, 076-076.	1.6	66
61	Branon search in hadronic colliders. Physical Review D, 2004, 70, .	1.6	55
62	Viscosity of meson matter. Physical Review D, 2004, 69, .	1.6	75
63	DARK GEOMETRY. International Journal of Modern Physics D, 2004, 13, 2275-2279.	0.9	34
64	Cosmological and astrophysical limits on brane fluctuations. Physical Review D, 2003, 68, .	1.6	68
65	Limits on the brane fluctuations mass and on the brane tension scale from electron-positron colliders. Physical Review D, 2003, 67, .	1.6	66
66	Brane-World Dark Matter. Physical Review Letters, 2003, 90, 241301.	2.9	116
67	Thermal Meson properties within Chiral Perturbation Theory. AIP Conference Proceedings, 2003, , .	0.3	8
68	ĤAND Ĥf MESONS IN UNITARIZED THERMAL ĤPT. , 2003, , .		0
69	Pion gas viscosity at low temperature and density. Physical Review D, 2002, 65, .	1.6	47
70	Self-interactions of the lightest minimal supersymmetric standard model Higgs boson in the large pseudoscalar-mass limit. Physical Review D, 2002, 66, .	1.6	37
71	Chiral perturbation theory and thef2(1270)resonance. Physical Review D, 2002, 65, .	1.6	23
72	Effective Higgs-quark-quark couplings from a heavy supersymmetric spectrum. Physical Review D, 2002, 65, .	1.6	12

#	ARTICLE	IF	CITATIONS
73	Thermal hadron mesons from chiral symmetry and unitarity. <i>Physical Review C</i> , 2002, 66, .	1.1	46
74	The dynamics of the Goldstone bosons on the brane. <i>Nuclear Physics B</i> , 2001, 592, 203-218.	0.9	74
75	Brane-Skyrmions and wrapped states. <i>Physical Review D</i> , 2001, 65, .	1.6	50
76	The SM as the quantum low-energy effective theory of the MSSM. <i>European Physical Journal C</i> , 2000, 12, 673-700.	1.4	25
77	CERN LHC sensitivity to the resonance spectrum of a minimal strongly interacting electroweak symmetry breaking sector. <i>Physical Review D</i> , 2000, 62, .	1.6	41
78	The Higgs sector of the MSSM in the decoupling limit. <i>European Physical Journal C</i> , 2000, 17, 487-500.	1.4	46
79	Non-local low-energy effective action for gravity with torsion. <i>Classical and Quantum Gravity</i> , 1999, 16, 4057-4074.	1.5	3
80	Particle production from nonlocal gravitational effective action. <i>Physical Review D</i> , 1999, 60, .	1.6	19
81	Chiral Lagrangians and the QCD string. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 460, 447-454.	1.5	6
82	Decoupling of supersymmetric particles. <i>European Physical Journal C</i> , 1999, 7, 313.	1.4	9
83	Chiral symmetry and the pion gas virial expansion. <i>Physical Review D</i> , 1998, 59, .	1.6	25
84	Applicability constraints of the equivalence theorem. <i>Physical Review D</i> , 1997, 56, 7133-7142.	1.6	5
85	Inverse amplitude method in chiral perturbation theory. <i>Physical Review D</i> , 1997, 56, 3057-3073.	1.6	248
86	Primordial Torsion Fields as an Explanation of the Anisotropy in Cosmological Electromagnetic Propagation. <i>Modern Physics Letters A</i> , 1997, 12, 3003-3007.	0.5	17
87	Effective Lagrangians for the Standard Model. , 1997, , .		78
88	The Effective Lagrangian for QCD. , 1997, , 125-173.		1
89	The Non-linear \tilde{f} Model. , 1997, , 41-58.		0
90	Gravity and the Standard Model. , 1997, , 229-257.		0

#	ARTICLE	IF	CITATIONS
91	Anomalies. , 1997, , 59-96.		0
92	The Notion of Effective Lagrangian. , 1997, , 1-21.		0
93	A note on the $\hat{\pi}^3 \rightarrow \pi^0 \pi^0$ reaction in the expansion of $\hat{\pi}^4$ PT. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 264-274.	1.5	3
94	Higgs physics in the large N limit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 563-572.	1.5	4
95	Standard model anomalies in curved space-time with torsion. Physical Review D, 1996, 54, 5185-5194.	1.6	21
96	Learning about the strongly interacting symmetry breaking sector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 400-410.	1.5	36
97	Pion scattering in $\hat{\pi}^4$ PT with many pions. Il Nuovo Cimento A, 1995, 108, 335-347.	0.2	3
98	Inflatonless inflation. Physical Review D, 1995, 52, 1895-1901.	1.6	43
99	Pion mass effects in the large N limit of chiral perturbation theory. Physical Review D, 1995, 52, 2878-2890.	1.6	19
100	One loop calculations on the Wess-Zumino-Witten anomalous functional at finite temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 345-350.	1.5	9
101	The equivalence theorem for chiral lagrangians. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 329, 469-478.	1.5	43
102	On the equivalence theorem in the $\hat{\pi}^4$ PT description of the symmetry breaking sector of the standard model. Nuclear Physics B, 1994, 425, 110-136.	0.9	45
103	Some consequences of the effective low-energy lagrangian for gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 250-256.	1.5	26
104	On the Wess-Zumino-Witten anomalous functional at finite temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 238-243.	1.5	7
105	Unitarity and $\pi\pi\pi$ in chiral perturbation theory. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 501-510.	1.5	24
106	Global fit of $\pi\pi\pi$ elastic scattering in chiral perturbation theory with dispersion relations. Physical Review D, 1993, 47, 4883-4888.	1.6	150
107	Technibaryon production at pp colliders. Physical Review D, 1992, 45, 3090-3101.	1.6	0
108	A $\hat{\pi}^4$ PT description of the three boson vertex for the LHC and the SSC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 128-136.	1.5	6

#	ARTICLE	IF	CITATIONS
109	On the large Nf limit of chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 136-146.	1.5	24
110	The role of chiral Lagrangians in strongly interacting W L W L signals at pp supercolliders. Zeitschrift für Physik C-Particles and Fields, 1991, 50, 205-219.	1.5	57
111	W $\bar{\nu}_l$ Z O signals from the strongly interacting symmetry breaking sector. Zeitschrift für Physik C-Particles and Fields, 1991, 50, 465-471.	1.5	32
112	Chiral lagrangians as a tool to probe the symmetry breaking sector of the SM at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 405-414.	1.5	127
113	Nonperturbative fragmentation of the top quark. Physical Review D, 1991, 44, 2737-2745.	1.6	0
114	Study of the strongly interacting Higgs sector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 129-133.	1.5	99
115	Unitarized chiral perturbation theory for elastic pion-pion scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 134-140.	1.5	233
116	The mass and the width of the Higgs in the strongly interacting minimal standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 237, 457-462.	1.5	28
117	One-loop corrections to the skyrmion mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 581-586.	1.5	18
118	Phenomenological lagrangian approach to the symmetry breaking sector of the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 228, 495-502.	1.5	93
119	Testing the hypothesis of strongly interacting longitudinal weak bosons in electron-positron collisions at TeV energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 233, 505-511.	1.5	51
120	Weak skyrmions from the hidden symmetry in the standard model. Nuclear Physics B, 1989, 319, 491-500.	0.9	5
121	Are scalar leptoquarks testable at the present CERN collider?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 207, 97-102.	1.5	8
122	Some implications of a top mass close to the W boson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 203, 167-171.	1.5	4
123	Higgsino production through toponium in e^+e^- reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 211, 485-488.	1.5	0
124	Production of leptoquarks from superstring models in e-p colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 191, 449-455.	1.5	27
125	Toponium-stoponium mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 189, 209-214.	1.5	0
126	Squark photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 171, 118-124.	1.5	0