

Limits on Spin-Dependent WIMP-Nucleon Cross Section Exposure

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Improved Limits for Higgs-Portal Dark Matter from LHC Searches. <i>Physical Review Letters</i> , 2017, 119, 181803.	2.9	72
2	Off-diagonal dark-matter phenomenology: Exploring enhanced complementarity relations in nonminimal dark sectors. <i>Physical Review D</i> , 2017, 96, .	1.6	15
3	On the role of neutrinos telescopes in the search for Dark Matter annihilations in the Sun. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 012-012.	1.9	12
4	Constraints on dark matter-baryon scattering from the temperature evolution of the intergalactic medium. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 043-043.	1.9	20
5	3D modeling of electric fields in the LUX detector. <i>Journal of Instrumentation</i> , 2017, 12, P11022-P11022.	0.5	21
6	Unified halo-independent formalism from convex hulls for direct dark matter searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 039-039.	1.9	15
7	From quarks to nucleons in dark matter direct detection. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	83
8	Robustness of dark matter constraints and interplay with collider searches for New Physics. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	9
9	Displaced vertices from pseudo-Dirac dark matter. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	16
10	Dark matter, extra-terrestrial gamma-rays and the MSSM: a viability study. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 045-045.	1.9	1
11	The waning of the WIMP? A review of models, searches, and constraints. <i>European Physical Journal C</i> , 2018, 78, 203.	1.4	521
12	Explaining the 3.5 keV X-ray line in a $\tilde{L}_{1/4}$ extension of the inert doublet model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 002-002.	1.9	18
13	On the evolution process of two-component dark matter in the Sun. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	2
14	Identifying WIMP dark matter from particle and astroparticle data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	1.9	31
15	Generation patterns, modified $\hat{1}^3 \hat{\alpha}^{\prime} Z$ mixing, and hidden sector with dark matter candidates as framed standard model results. <i>International Journal of Modern Physics A</i> , 2018, 33, 1830034.	0.5	4
16	2HDM portal for singlet-doublet dark matter. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	26
17	Split fermionic WIMPs evade direct detection. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	1
18	Supersymmetry and LHC missing energy signals. <i>Physical Review D</i> , 2018, 98, .	1.6	20

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19	The Higgs and WIMP DM Lamp Posts for New Weak Scale Physics: EFT Perspectives and the NMSSM. Nuclear and Particle Physics Proceedings, 2018, 303-305, 92-97.	0.2	1
20	Opening the energy window on direct dark matter detection. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 013-013.	1.9	10
21	Constraints on spin-dependent dark matter scattering with long-lived mediators from TeV observations of the Sun with HAWC. Physical Review D, 2018, 98, .	1.6	37
22	Saturated overburden scattering and the multiscatter frontier: Discovering dark matter at the Planck mass and beyond. Physical Review D, 2018, 98, .	1.6	44
23	The Na_2WO_7 . European Physical Journal C, 2018, 78, 1.	1.4	11
24	Probing bino-wino coannihilation dark matter below the neutrino floor at the LHC. Physical Review D, 2018, 98, .	1.6	18
25	LUX trigger efficiency. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 401-410.	0.7	2
26	Examining the origin of dark matter mass at colliders. Physical Review D, 2018, 98, .	1.6	10
27	Loop effects in direct detection. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	1.9	34
28	Status of a flavor-maximal nonminimal universal extra dimension model. Physical Review D, 2018, 98, .	1.6	13
29	Heating up neutron stars with inelastic dark matter. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	1.9	63
30	Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. Frontiers in Astronomy and Space Sciences, 2018, 5, .	1.1	10
31	Naturalness and dark matter in a realistic intersecting D6-brane model. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
32	Dark sequential $Z\text{-}\epsilon^2$ portal: Collider and direct detection experiments. Physical Review D, 2018, 97, .	1.6	13
33	Search for Ultra-High Energy WIMPs by detecting neutrino signatures from the earth core. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 055-055.	1.9	5
34	A small amount of mini-charged dark matter could cool the baryons in the early Universe. Nature, 2018, 557, 684-686.	13.7	203
35	Lepton flavor violation induced by dark matter. Physical Review D, 2018, 97, .	1.6	13
36	Position reconstruction in LUX. Journal of Instrumentation, 2018, 13, P02001-P02001.	0.5	25

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37	Search for dark matter gamma-ray emission from the Andromeda Galaxy with the High-Altitude Water Cherenkov Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 043-043.	1.9	11
38	Sub-MeV self-interacting dark matter. <i>Physical Review D</i> , 2018, 97, .	1.6	9
39	Higgs portals for thermal Dark Matter. EFT perspectives and the NMSSM. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	43
40	A simple testable model of baryon number violation: Baryogenesis, dark matter, neutron-antineutron oscillation and collider signals. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 262-268.	1.5	32
41	Reheating neutron stars with the annihilation of self-interacting dark matter. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	30
42	Discriminating WIMP-nucleus response functions in present and future XENON-like direct detection experiments. <i>Physical Review D</i> , 2018, 97, .	1.6	8
43	Taiwan EXperiment On Neutrino History and Prospects. <i>International Journal of Modern Physics A</i> , 2018, 33, 1830014.	0.5	11
44	Searching for low-mass dark matter particles with a massive Ge bolometer operated above ground. <i>Physical Review D</i> , 2019, 99, .	1.6	153
45	Constraining neutrino lifetimes and magnetic moments via solar neutrinos in the large xenon detectors. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 024-024.	1.9	21
46	LHC-friendly minimal freeze-in models. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	64
47	Possible s -wave annihilation for MeV dark matter with the 21-cm absorption. <i>Physical Review D</i> , 2019, 100, .	1.6	5
48	Loop-induced direct detection signatures from CP-violating scalar mediators. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	23
49	Current status of a natural NMSSM in light of LHC 13 TeV data and XENON-1T results. <i>Physical Review D</i> , 2019, 99, .	1.6	26
50	Direct and indirect probes of Goldstone dark matter. <i>Physical Review D</i> , 2019, 99, .	1.6	23
51	Velocity-dependent dark matter interactions in single-electron resolution semiconductor detectors with directional sensitivity. <i>Physical Review D</i> , 2019, 99, .	1.6	15
52	Search for semi-annihilating dark matter with Fermi-LAT, H.E.S.S., Planck, and the Cherenkov Telescope Array. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 048-048.	1.9	9
53	Data-driven modeling of electron recoil nucleation in PICO C^3F_8 bubble chambers. <i>Physical Review D</i> , 2019, 100, .	1.6	8
54	Not as big as a barn: Upper bounds on dark matter-nucleus cross sections. <i>Physical Review D</i> , 2019, 100, .	1.6	41

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73	PandaX-II constraints on spin-dependent WIMP-nucleon effective interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 193-198.	1.5	51
74	First Results on the Scalar WIMP-Pion Coupling, Using the XENON1T Experiment. Physical Review Letters, 2019, 122, 071301.	2.9	23
75	Paleo-detectors: Searching for dark matter with ancient minerals. Physical Review D, 2019, 99, .	1.6	28
76	Can Square Kilometre Array phase 1 go much beyond the LHC in supersymmetry search?. Physical Review D, 2019, 99, .	1.6	14
77	Testing electroweak SUSY for muon $g - 2$ and dark matter at the LHC and beyond. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39
78	Direct Detection of Ultrahigh-energy WIMPs with a Satellite Detector Like JEM-EUSO. Astrophysical Journal, 2019, 876, 14.	1.6	2
79	Strong new limits on light dark matter from neutrino experiments. Physical Review D, 2019, 100, .	1.6	84
80	Neutron EDM constrains direct dark matter detection prospects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 135039.	1.5	4
81	Singlet-doublet Dirac dark matter and neutrino masses. Physical Review D, 2019, 100, .	1.6	15
82	Hints on the existence of superheavy dark matter and ultrahigh energy dark matter in extreme energy cosmic rays observations. Physics of the Dark Universe, 2019, 26, 100399.	1.8	2
83	Light Dark Matter Search with Ionization Signals in XENON1T. Physical Review Letters, 2019, 123, 251801.	2.9	344
84	Z -mediated WIMPs: dead, dying, or soon to be detected?. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 024-024.	1.9	27
85	Vacuum stability in stau-neutralino coannihilation in MSSM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 475-479.	1.5	8
86	First direct detection constraint on mirror dark matter kinetic mixing using LUX 2013 data. Physical Review D, 2020, 101, .	1.6	9
87	Dark Matter through the Higgs portal. Physics Reports, 2020, 842, 1-180.	10.3	142
88	Probing low-mass WIMP candidates of dark matter with tetrafluoroethane superheated liquid detectors. Physical Review D, 2020, 101, .	1.6	3
89	Majorana dark matter and neutrino mass with S_3 symmetry. European Physical Journal Plus, 2020, 135, 1.	1.2	3
90	Heavy dark matter particle annihilation in dwarf spheroidal galaxies: Radio signals at the SKA telescope. Physical Review D, 2020, 101, .	1.6	14

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109	Minimal vectorlike model in supersymmetric unification. European Physical Journal C, 2020, 80, 1.	1.4	7
110	Sparticle spectroscopy and dark matter in a $U(1)B\hat{L}$ extension of MSSM. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
111	Stability and pulsation of the first dark stars. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3677-3691.	1.6	3
112	Dark matter admixed neutron stars. Physical Review D, 2021, 103, .	1.6	25
113	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
114	Direct measurement of upward-going ultrahigh energy dark matter at the Pierre Auger Observatory. Publication of the Astronomical Society of Japan, 2021, 73, 365-371.	1.0	0
115	Cancellation in dark matter-nucleon interactions: The role of non-standard-model-like Yukawa couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136159.	1.5	9
116	$t\bar{t}b\bar{b}$, Yukawa unification in non-holomorphic MSSM. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
117	First experimental constraints on WIMP couplings in the effective field theory framework from CDEX. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	8
118	Interpretation of the Galactic gamma-ray excess with the dark matter indicated by $^{8\text{Be}}$ and $^{4\text{He}}$ anomalous transitions *. Chinese Physics C, 2021, 45, 063101.	1.5	2
119	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	64
120	Gamma-ray and synchrotron radiation from dark matter annihilations in ultra-faint dwarf galaxies. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 041.	1.9	4
121	Effective field theory analysis of the first LUX dark matter search. Physical Review D, 2021, 103, .	1.6	6
122	Improving sensitivity to low-mass dark matter in LUX using a novel electrode background mitigation technique. Physical Review D, 2021, 104, .	1.6	15
123	Fermion-charged-boson stars. Physical Review D, 2021, 104, .	1.6	9
124	Constraints on effective field theory couplings using 311.2 days of LUX data. Physical Review D, 2021, 104, .	1.6	7
125	Exploring dark sector parameters in light of neutron star temperatures. Physical Review D, 2021, 104, .	1.6	4
126	Obscure Higgs boson at colliders. Physical Review D, 2021, 103, .	1.6	32

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127	Pseudo-Nambu-Goldstone dark matter from gauged $U(1)_{B-L}$ symmetry. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
128	TeV-scale Majorogenesis. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
129	Cosmic ray boosted sub-GeV gravitationally interacting dark matter in direct detection. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
130	Searches for Light Dark Matter with the CRESST-III Experiment. Journal of Low Temperature Physics, 2020, 199, 547-555.	0.6	11
131	Analysis on the black hole formations inside old neutron stars by isospin-violating dark matter with self-interaction. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 022-022.	1.9	7
132	Search for decaying heavy dark matter in an effective interaction framework: a comparison of $\hat{\nu}$ -ray and radio observations. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 003-003.	1.9	3
133	Direct detection of nuclear scattering of sub-GeV dark matter using molecular excitations. Physical Review Research, 2019, 1, .	1.3	35
134	Cryogenic characterization of a LiAlO_2 crystal and new results on spin-dependent dark matter interactions with ordinary matter. European Physical Journal C, 2020, 80, 1.	1.4	6
135	Whac-a-constraint with anomaly-free dark matter models. , 2019, 6, .		6
136	Astroparticle Physics with Compact Objects. Universe, 2021, 7, 401.	0.9	12
137	Probing electroweak dark matter at 14 TeV LHC *. Chinese Physics C, 2020, 44, 113101.	1.5	0
138	Kinetic theory of Jeans's gravitational instability in millicharged dark matter system. Chinese Physics B, 2022, 31, 070401.	0.7	3
139	Non-halo structures and their effects on gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2022, 511, 6019-6032.	1.6	3
140	Probing spin-dependent dark matter interactions with ^6Li . European Physical Journal C, 2022, 82, 1.	1.4	5
141	Solar mass black holes from neutron stars and bosonic dark matter. Physical Review D, 2022, 105, .	1.6	10
142	Revisiting dark matter freeze-in and freeze-out through phase-space distribution. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 012.	1.9	16
143	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137066.	1.5	8
144	Vector boson scattering processes: Status and prospects. Reviews in Physics, 2022, 8, 100071.	4.4	8

#	ARTICLE	IF	CITATIONS
145	Passive Low-Energy Nuclear-Recoil Detection with Color Centers. <i>Physical Review Applied</i> , 2021, 16, .	1.5	4
146	Extra-dimensional model of dark matter. <i>Physical Review D</i> , 2021, 104, .	1.6	6
147	Dark matter effect on the weak deflection angle by black holes at the center of Milky Way and M87 galaxies. <i>European Physical Journal C</i> , 2022, 82, .	1.4	44
148	Impact of Dark Compton Scattering on Direct Dark Matter Absorption Searches. <i>Physical Review Letters</i> , 2022, 128, .	2.9	3
149	Superconducting detectors for rare event searches in experimental astroparticle physics. <i>Superconductor Science and Technology</i> , 2022, 35, 063001.	1.8	13
150	Phenomenological analysis of multi-pseudoscalar mediated dark matter models. <i>Journal of High Energy Physics</i> , 2022, 2022, .	1.6	6
151	Analysis of Direct and Indirect Detection of Fermionic Dark Matter of 6-Dimensional Effective Field Theory. <i>International Journal of Geometric Methods in Modern Physics</i> , 0, , .	0.8	0
152	Magnetic moments of leptons, charged lepton flavor violations and dark matter phenomenology of a minimal radiative Dirac neutrino mass model. <i>Journal of High Energy Physics</i> , 2022, 2022, .	1.6	4
153	Z α^2 -mediated Majorana dark matter: suppressed direct-detection rate and complementarity of LHC searches. <i>Journal of High Energy Physics</i> , 2022, 2022, .	1.6	2
154	Spin-dependent dark matter-electron interactions. <i>Physical Review D</i> , 2022, 106, .	1.6	3
155	Distinctive signals of frustrated dark matter. <i>Journal of High Energy Physics</i> , 2022, 2022, .	1.6	3
156	Black Hole in Quantum Wave Dark Matter. <i>Fortschritte Der Physik</i> , 2023, 71, .	1.5	17
157	Testing spin-dependent dark matter interactions with lithium aluminate targets in CRESST-III. <i>Physical Review D</i> , 2022, 106, .	1.6	6
158	R-Symmetric NMSSM. <i>Chinese Physics C</i> , 0, , .	1.5	0
159	Non-standard neutrino spectra from annihilating neutralino dark matter. <i>SciPost Physics Core</i> , 2023, 6, .	0.9	1
160	The Phenomenological Research on Higgs and Dark Matter in the Next-to-Minimal Supersymmetric Standard Model. <i>Symmetry</i> , 2023, 15, 456.	1.1	0
161	Nuclear response to dark matter signals in Ge and Xe odd-mass targets. <i>International Journal of Modern Physics E</i> , 2023, 32, .	0.4	0
162	Searching for Afterglow: Light Dark Matter Boosted by Supernova Neutrinos. <i>Physical Review Letters</i> , 2023, 130, .	2.9	5

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163	Light Higgsino scenario confronted with the muon g $g < \hat{a} >^2$ Physical Review D, 2023, 107, .	1.6	3
164	Dark matter perspective of left-right symmetric gauge model. Nuclear Physics B, 2023, 991, 116197.	0.9	1
167	Glimpses of extra dimension models. Indian Journal of Physics, 2023, 97, 3351-3365.	0.9	0