

First Results from the LUX Dark Matter Experiment at the Facility

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ups and Downs in the Search for Dark Matter. Physics Magazine, 2013, 6, .	0.1	1
2	Planck-scale effects on WIMP dark matter. Frontiers in Physics, 2014, 1, .	1.0	3
3	A novel ^{83m} Kr tracer method for characterizing xenon gas and cryogenic distillation systems. Journal of Instrumentation, 2014, 9, P10010-P10010.	0.5	7
4	Self-interacting scalar dark matter with local Z^3 symmetry. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 047-047.	1.9	62
5	Right sneutrino dark matter and a monochromatic photon line. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 023-023.	1.9	13
6	HELIOSEISMOLOGY WITH LONG-RANGE DARK MATTER-BARYON INTERACTIONS. Astrophysical Journal, 2014, 795, 162.	1.6	31
7	The Sun and stars: Giving light to dark matter. Modern Physics Letters A, 2014, 29, 1440001.	0.5	4
8	WIMP physics with ensembles of direct-detection experiments. Physics of the Dark Universe, 2014, 5-6, 45-74.	1.8	57
9	Effects of dark atom excitations. Modern Physics Letters A, 2014, 29, 1440006.	0.5	6
10	TeV-Scale Strings. Annual Review of Nuclear and Particle Science, 2014, 64, 197-219.	3.5	9
11	Dark matter, dark energy and the time evolution of masses in the universe. International Journal of Modern Physics A, 2014, 29, 1444016.	0.5	12
12	Mirror matter and other dark matter models. Physics-Uspekhi, 2014, 57, 183-188.	0.8	12
13	Probing radiative neutrino mass generation through monotop production. Physical Review D, 2014, 90, .	1.6	5
14	Leptophobic dark matter at neutrino factories. Physical Review D, 2014, 90, .	1.6	80
15	Natural SUSY in plain sight. Physical Review D, 2014, 90, .	1.6	37
16	Can dark matter-electron scattering explain the DAMA annual modulation signal?. Physical Review D, 2014, 90, .	1.6	26
17	Big-bounce genesis. Physical Review D, 2014, 90, .	1.6	49
18	A model independent approach to inelastic dark matter scattering. Physical Review D, 2014, 90, .	1.6	51

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19	Measuring muon-induced neutrons with liquid scintillation detector at Soudan mine. Physical Review D, 2014, 90, .	1.6	14
20	Muon σ^2 , 125ÅGeV Higgs boson, and neutralino dark matter in a flavor symmetry-based MSSM. Physical Review D, 2014, 90, .	1.6	19
21	Supersymmetric subelectroweak scale dark matter, the Galactic Center gamma-ray excess, and exotic decays of the 125ÅGeV Higgs boson. Physical Review D, 2014, 90, .	1.6	43
22	Determining the dark matter particle mass through antler topology processes at lepton colliders. Physical Review D, 2014, 90, .	1.6	8
23	Resurrecting L-type sneutrino dark matter in light of neutrino masses and LUX data. Physical Review D, 2014, 90, .	1.6	8
24	Scattering of dark particles with light mediators. Physical Review D, 2014, 90, .	1.6	43
25	Dark matter direct detection constraints from gauge bosons loops. Physical Review D, 2014, 90, .	1.6	24
26	Complementarity of dark matter searches at resonance. Physical Review D, 2014, 90, .	1.6	16
27	Profile likelihood maps of a 15-dimensional MSSM. Journal of High Energy Physics, 2014, 2014, 1.	1.6	44
28	A minimal model for two-component dark matter. Journal of High Energy Physics, 2014, 2014, 1.	1.6	49
29	Inert dark matter in type-II seesaw. Journal of High Energy Physics, 2014, 2014, 1.	1.6	11
30	Measurement of the ionization yield of nuclear recoils in liquid argon at 80 and 233 keV. Europhysics Letters, 2014, 108, 12001.	0.7	14
31	Production of Higgs-portal singlets at hadron colliders. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 105007.	1.4	2
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34	Inert doublet dark matter with an additional scalar singlet and 125ÅGeV Higgs boson. European Physical Journal C, 2014, 74, 1.	1.4	21
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36	Bulk NaI(Tl) scintillation low energy events selection with the ANAIS-0 module. European Physical Journal C, 2014, 74, 1.	1.4	15

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38	Phenomenology of SUSY with General Flavour Violation. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
39	Can Zee-Babu model implemented with scalar dark matter explain both Fermi-LAT 130 GeV $\hat{\nu}^3$ -ray excess and neutrino physics?. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
40	The impact of a 126 GeV Higgs on the neutralino mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 505-511.	1.5	7
41	Scotogenic inverse seesaw model of neutrino mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 280-282.	1.5	60
42	Radiative neutrino mass, dark matter and electroweak baryogenesis from the supersymmetric gauge theory with confinement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 178-186.	1.5	19
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44	A simplified 2HDM with a scalar dark matter and the galactic center gamma-ray excess. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 416-420.	1.5	63
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52	Dark matter in the $SO(5) \times U(1)$ gauge-Higgs unification. Progress of Theoretical and Experimental Physics, 2014, 2014, 113B01-113B01.	1.8	14
53	Unveiling the nature of dark matter with high redshift 21 cm line experiments. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 024-024.	1.9	59
54	Higgs partner searches and dark matter phenomenology in a classically scale invariant Higgs boson sector. Physical Review D, 2014, 90, .	1.6	34

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56	Galactic Center gamma ray excess from two Higgs doublet portal dark matter. Physical Review D, 2014, 90, .	1.6	25
57	LHC phenomenology of SO(10) models with Yukawa unification. II.. Physical Review D, 2014, 90, .	1.6	14
58	Neutrino mass and dark matter in light of recent AMS-02 results. Physical Review D, 2014, 89, .	1.6	44
59	Doublet-triplet fermionic dark matter. Physical Review D, 2014, 89, .	1.6	36
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61	Effect of nuclear response functions in dark matter direct detection. Physical Review D, 2014, 89, .	1.6	57
62	Complex scalar dark matter in aB-Lmodel. Physical Review D, 2014, 90, .	1.6	31
63	Simplified dark matter models confront the gamma ray excess. Physical Review D, 2014, 90, .	1.6	25
64	Gaseous source of ^{83m}Kr conversion electrons for the neutrino experiment KATRIN. Journal of Instrumentation, 2014, 9, P12010-P12010.	0.5	13
65	Extending two-Higgs-doublet models by a singlet scalar field $\hat{\epsilon}$ The case for dark matter. Journal of High Energy Physics, 2014, 2014, 1.	1.6	60
66	First data from DM-Ice17. Physical Review D, 2014, 90, .	1.6	39
67	Generating x-ray lines from annihilating dark matter. Physical Review D, 2014, 90, .	1.6	44
68	Co-annihilating dark matter: Effective operator analysis and collider phenomenology. Physical Review D, 2014, 89, .	1.6	26
69	Dark matter indirect detection signals and the nature of neutrinos in the supersymmetricU(1) \hat{B} -Lextension of the standard model. Physical Review D, 2014, 90, .	1.6	7
70	Singlet extension of the MSSM as a solution to the small cosmological scale anomalies. Physical Review D, 2014, 90, .	1.6	13
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72	Catching sparks from well-forged neutralinos. Physical Review D, 2014, 90, .	1.6	16

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76	Vector fermion-portal dark matter: Direct detection and Galactic Center gamma-ray excess. Physical Review D, 2014, 90, .	1.6	24
77	Experimental study of ionization yield of liquid xenon for electron recoils in the energy range 2.8–80 keV. Journal of Instrumentation, 2014, 9, P11014-P11014.	0.5	16
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79	Determining the masses of invisible particles: Application to Higgs boson invisible decay. Physical Review D, 2014, 89, .	1.6	1
80	Multicomponent dark matter in radiative seesaw model and monochromatic neutrino flux. Physical Review D, 2014, 90, .	1.6	12
81	Light neutralino dark matter in $U(1) \times E_6$ GUT. Physical Review D, 2014, 90, .	1.6	10
82	Bounds on Invisible Higgs Boson Decays Extracted from LHC $t\bar{t}$ Production Data. Physical Review Letters, 2014, 113, 151801.	2.9	20
83	Singlino Resonant Dark Matter and 125 GeV Higgs Boson in High-Scale Supersymmetry. Physical Review Letters, 2014, 113, 131801.	2.9	8
84	Big-bang nucleosynthesis through bound-state effects with a long-lived slepton in the NMSSM. Physical Review D, 2014, 90, .	1.6	3
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90	Flavored dark matter and the Galactic Center gamma-ray excess. Physical Review D, 2014, 90, .	1.6	87

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110	Blind spots for neutralino dark matter in the MSSM with an intermediate m_A . Physical Review D, 2014, 90, .	1.6	64
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124	Leptophilic dark matter with $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle mml:mrow> \langle mml:msup> \langle mml:mrow> \langle mml:mi>Z</mml:mi> \langle /mml:mrow> \langle mml:mrow> \langle mml:mi>\epsilon^2</mml:mi> \langle /mml:mrow> \langle /mml:math>$	1.6	18
125	3.5 ÅeV galactic emission line as a signal from the hidden sector. Physical Review D, 2014, 90, .	1.6	8
126	Right-handed neutrinos as the origin of the electroweak scale. Physical Review D, 2014, 90, .	1.6	49

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128	Renormalizable model for the Galactic Center gamma-ray excess from dark matter annihilation. Physical Review D, 2014, 90, .	1.6	141
129	Results on low mass WIMPs using an upgraded CRESST-II detector. European Physical Journal C, 2014, 74, 1.	1.4	159
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132	Phenomenology in supersymmetric neutrinophilic Higgs model with sneutrino dark matter. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
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139	Dark matter with two inert doublets plus one Higgs doublet. Journal of High Energy Physics, 2014, 2014, 1.	1.6	37
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142	LHC tests of light neutralino dark matter without light sfermions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
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146	Exploring MSSM for charge and color breaking and other constraints in the context of Higgs@125 GeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
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155	Halo-Independent Comparison of Direct Dark Matter Detection Data. Advances in High Energy Physics, 2014, 2014, 1-13.	0.5	9
156	Effect of black holes in local dwarf spheroidal galaxies on gamma-ray constraints on dark matter annihilation. Physical Review D, 2014, 90, .	1.6	31
157	Limits on light weakly interacting massive particles from the CDEX-1 experiment with a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi}> p \langle / \text{mml:mi}> \langle / \text{mml:math}>$ -type point-contact germanium detector at the China Jinping Underground Laboratory. Physical Review D, 2014, 90, .	1.6	80
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162	Leptophilic effective WIMPs. Physical Review D, 2014, 90, .	1.6	48

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164	Complementarity of dark matter detectors in light of the neutrino background. <i>Physical Review D</i> , 2014, 90, .	1.6	117
165	Search for dark matter with the bolometric technique. <i>International Journal of Modern Physics A</i> , 2014, 29, 1443008.	0.5	1
166	Composite strongly interacting dark matter. <i>Physical Review D</i> , 2014, 90, .	1.6	107
167	A systematic halo-independent analysis of direct detection data within the framework of Inelastic Dark Matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 060-060.	1.9	28
168	Is the effect of the Sun's gravitational potential on dark matter particles observable?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 013-013.	1.9	18
169	Limits on light WIMPs with a germanium detector at 177ÂeVee threshold at the China Jinping Underground Laboratory. <i>Physical Review D</i> , 2014, 90, .	1.6	30
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173	Minimal model of Majoronic dark radiation and dark matter. <i>Physical Review D</i> , 2014, 90, .	1.6	18
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175	Gravity-mediated (or composite) Dark Matter confronts astrophysical data. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
176	Isospin-violating dark matter with colored mediators. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
177	Higgsphobic and fermiophobic $Z\tilde{\chi}^0$ as a single dark matter candidate. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	8
178	Identifying dark matter interactions in monojet searches. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	10
179	Implications of the Little Higgs Dark Matter and T-odd fermions. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	11
180	Mono-Higgs detection of dark matter at the LHC. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	74

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182	A precision study of the fine tuning in the DiracNMSSM. Journal of High Energy Physics, 2014, 2014, 1.	1.6	23
183	Majorana dark matter with a coloured mediator: collider vs direct and indirect searches. Journal of High Energy Physics, 2014, 2014, 1.	1.6	49
184	Strongly first order phase transition in the singlet fermionic dark matter model after LUX. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
185	The electroweak sector of the pMSSM in the light of LHC - 8 TeV and other data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
186	Predictions on mass of Higgs portal scalar dark matter from Higgs inflation and flat potential. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
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193	Thermal dark matter implies new physics not far above the weak scale. Journal of High Energy Physics, 2014, 2014, 1.	1.6	7
194	What next for the CMSSM and the NUHM: improved prospects for superpartner and dark matter detection. Journal of High Energy Physics, 2014, 2014, 1.	1.6	58
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196	Light neutralino dark matter: direct/indirect detection and collider searches. Journal of High Energy Physics, 2014, 2014, 1.	1.6	72
197	The fermionic dark matter Higgs portal: an effective field theory approach. Journal of High Energy Physics, 2014, 2014, 1.	1.6	60
198	Leptophilic dark matter and the anomalous magnetic moment of the muon. Journal of High Energy Physics, 2014, 2014, 1.	1.6	68

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207	Three-loop model of neutrino mass with dark matter. Physical Review D, 2014, 90, .	1.6	56
208	The Dark Matter Time Projection Chamber 4Shooter directional dark matter detector: Calibration in a surface laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 755, 6-19.	0.7	13
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214	New Light Shed on Dark Photons. Physics Magazine, 2014, 7, .	0.1	0
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