

Roni Harnik

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,690
citations

172457

29
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

6630
citing authors

#	ARTICLE	IF	CITATIONS
1	The physics potential of a reactor neutrino experiment with Skipper-CCDs: searching for new physics with light mediators. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	8
2	Neutrino masses from low scale partial compositeness. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	10
3	Millicharged cosmic rays and low recoil detectors. <i>Physical Review D</i> , 2021, 103, .	4.7	17
4	Axion searches with two superconducting radio-frequency cavities. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	7
5	Searching for Dark Particles with Quantum Optics. <i>PRX Quantum</i> , 2021, 2, .	9.2	4
6	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. <i>Physics of the Dark Universe</i> , 2020, 27, 100371.	4.9	126
7	Improved Limits on Millicharged Particles Using the ArgoNeUT Experiment at Fermilab. <i>Physical Review Letters</i> , 2020, 124, 131801.	7.8	46
8	The radiation valley and exotic resonances in $W\tilde{I}^3$ production at the LHC. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	4
9	Self-Destructing Dark Matter. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	13
10	Luminous signals of inelastic dark matter in large detectors. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	12
11	Millicharged particles in liquid argon neutrino experiments. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	30
12	Dark tridents at off-axis liquid argon neutrino detectors. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	23
13	Probing New Long-Range Interactions by Isotope Shift Spectroscopy. <i>Physical Review Letters</i> , 2018, 120, 091801.	7.8	106
14	Light resonances and the low- q^2 bin of R_{K^*} . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	25
15	Interference in the $\hat{\sigma}^{\text{on-shell}}$ $\hat{\sigma}^{\text{total}}$. On-Shell Rate and the Higgs Boson Total Width. <i>Physical Review Letters</i> , 2017, 119, 161801.	7.8	18
16	Cosmology in Mirror Twin Higgs and neutrino masses. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	75
17	Tadpole-induced electroweak symmetry breaking and pNGB Higgs models. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	24
18	Dark matter beams at LBNF. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-20.	4.7	33

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19	Dark matter signals in dilepton production at hadron colliders. <i>Physical Review D</i> , 2015, 91, .	4.7	11
20	New opportunities in $h \rightarrow 4a$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	10
21	Simplified models for dark matter searches at the LHC. <i>Physics of the Dark Universe</i> , 2015, 9-10, 8-23.	4.9	250
22	Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. <i>Physical Review D</i> , 2015, 91, .	4.7	64
23	Probing the Higgs Couplings to Photons in $h \rightarrow 4a$ at the LHC. <i>Physical Review Letters</i> , 2014, 113, 191801.	7.8	34
24	Fermion hierarchy from sfermion anarchy. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	16
25	Probing CP violation in $h \rightarrow \tilde{\nu}^2$ with converted photons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	40
26	Flavor violating Higgs decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	240
27	Low energy probes of PeV scale sfermions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	59
28	Measuring C violation in $h \rightarrow \tilde{\nu}^2$ at colliders. <i>Physical Review D</i> , 2013, 88, .	4.7	51
29	Search for Dark Matter in Events with One Jet and Missing Transverse Energy in $pp \rightarrow \tilde{\nu}^2$ Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2012, 108, 211804.	7.8	73
30	Taking a razor to dark matter parameter space at the LHC. <i>Physical Review D</i> , 2012, 86, .	4.7	62
31	Missing energy signatures of dark matter at the LHC. <i>Physical Review D</i> , 2012, 85, .	4.7	291
32	Exploring $\tilde{\nu}^2$ signals in dark matter detectors. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 026-026.	5.4	205
33	Quirks at the Tevatron and beyond. <i>Physical Review D</i> , 2011, 84, .	4.7	20
34	LEP shines light on dark matter. <i>Physical Review D</i> , 2011, 84, .	4.7	214
35	The Tevatron at the frontier of dark matter direct detection. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	308
36	Exothermic dark matter. <i>Physical Review D</i> , 2010, 82, .	4.7	91

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37	Entropic landscape. <i>Physical Review D</i> , 2010, 82, .	4.7	19
38	Observing the dimensionality of our parent vacuum. <i>Physical Review D</i> , 2010, 82, .	4.7	21
39	Discovering new light states at neutrino experiments. <i>Physical Review D</i> , 2010, 82, .	4.7	138
40	Decaying dark matter as a probe of unification and TeV spectroscopy. <i>Physical Review D</i> , 2009, 80, .	4.7	57
41	Astrophysical probes of unification. <i>Physical Review D</i> , 2009, 79, .	4.7	110
42	Signals of new physics in the underlying event. <i>Physical Review D</i> , 2009, 80, .	4.7	35
43	Effective theory of Dirac dark matter. <i>Physical Review D</i> , 2009, 79, .	4.7	83
44	Quirky collider signals of folded supersymmetry. <i>Physical Review D</i> , 2008, 78, .	4.7	34
45	Folded supersymmetry and the LEP paradox. <i>Journal of High Energy Physics</i> , 2007, 2007, 009-009.	4.7	188
46	Predicting the cosmological constant from the causal entropic principle. <i>Physical Review D</i> , 2007, 76, .	4.7	81
47	A twin Higgs model from left-right symmetry. <i>Journal of High Energy Physics</i> , 2006, 2006, 108-108.	4.7	150
48	Twisted split fermions. <i>Physical Review D</i> , 2005, 71, .	4.7	22
49	Minimal supersymmetric fat Higgs model. <i>Physical Review D</i> , 2004, 70, .	4.7	129
50	SBND-PRISM: Sampling Multiple Off-Axis Fluxes with the Same Detector. , 1900, , .		0