Jessie Shelton

List of Publications by Year
in descending order

48 papers	3,245 citations	201674 27 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	6830 citing authors

#	Article	IF	Citations
1	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
2	Nongeometric flux compactifications. Journal of High Energy Physics, 2005, 2005, 085-085.	4.7	328
3	Simplified models for LHC new physics searches. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 105005.	3.6	273
4	Illuminating dark photons with high-energy colliders. Journal of High Energy Physics, 2015, 2015, 1.	4.7	241
5	Long-lived particles at the energy frontier: the MATHUSLA physics case. Reports on Progress in Physics, 2019, 82, 116201.	20.1	220
6	Exotic decays of the 125ÂGeV Higgs boson. Physical Review D, 2014, 90, .	4.7	209
7	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501.	3.6	133
8	Darkogenesis: A baryon asymmetry from the dark matter sector. Physical Review D, 2010, 82, .	4.7	126
9	Generalized flux vacua. Journal of High Energy Physics, 2007, 2007, 095-095.	4.7	91
10	Fitting the Galactic Center gamma-ray excess with cascade annihilations. Physical Review D, 2014, 90, .	4.7	86
11	Chilly dark sectors and asymmetric reheating. Journal of High Energy Physics, 2016, 2016, 1.	4.7	79
12	Galactic Center Gamma-Ray Excess from Dark Matter Annihilation: Is There a Black Hole Spike?. Physical Review Letters, 2014, 113, 151302.	7.8	74
13	Looking for the WIMP next door. Journal of High Energy Physics, 2018, 2018, 1.	4.7	60
14	Testing Dark Decays of Baryons in Neutron Stars. Physical Review Letters, 2018, 121, 061801.	7.8	57
15	Hunting Mixed Top Squark Decays. Physical Review Letters, 2013, 111, 121802.	7.8	52
16	Polarized view of the top asymmetry. Physical Review D, 2011, 84, .	4.7	51
17	Measuring the invisible Higgs width at the 7 and 8 TeV LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	44
18	Measuring the polarization of boosted hadronic tops. Journal of High Energy Physics, 2010, 2010, 1.	4.7	42

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19	Long-lived staus and displaced leptons at the LHC. Journal of High Energy Physics, 2016, 2016, 1-39.	4.7	36
20	Polarized top quarks from new physics: Signals and observables. Physical Review D, 2009, 79, .	4.7	35
21	Exotic Higgs boson decays and the electroweak phase transition. Physical Review D, 2020, 101, .	4.7	33
22	Direct and indirect detection of dissipative dark matter. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 059-059.	5.4	31
23	Weak annihilation cusp inside the dark matter spike about a black hole. Physical Review D, 2016, 93, .	4.7	31
24	Searching for inflation in simple string theory models: An astrophysical perspective. Physical Review D, 2007, 76, .	4.7	29
25	AFBtmeets LHC. Physical Review D, 2011, 84, .	4.7	28
26	Gamma lines without a continuum: thermal models for the Fermi-LAT 130 GeV Gamma line. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
27	Perturbative benchmark models for a dark shower search program. Physical Review D, 2021, 103, .	4.7	28
28	Maximal flavor violation from new right-handed gauge bosons. Physical Review D, 2011, 83, .	4.7	26
29	Black Hole Window into<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Wave Dark Matter Annihilation. Physical Review Letters, 2015, 115, 231302.	7.8	26
30	Data-driven model-independent searches for long-lived particles at the LHC. Physical Review D, 2016, 94, .	4.7	24
31	Search for gamma-ray emission from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math> -wave dark matter annihilation in the Galactic Center. Physical Review D, 2019, 99, .	4.7	22
32	Dark matter microhalos from simplified models. Physical Review D, 2021, 103, .	4.7	21
33	Composite octet searches with jet substructure. Journal of High Energy Physics, 2012, 2012, 1.	4.7	20
34	Unburied Higgs boson: Jet substructure techniques for searching for Higgsâ€™ decay into gluons. Physical Review D, 2011, 84, .	4.7	19
35	Open windows for a light axigluon explanation of $ A_{{^{FB}}}^t $. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
36	Tests of neutrino and dark radiation models from galaxy and CMB surveys. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	16

#	Article	IF	Citations
37	Leak-in dark matter. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
38	Cannibal domination and the matter power spectrum. Physical Review D, 2021, 103, .	4.7	15
39	Reheating in two-sector cosmology. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
40	Searching for low mass dark matter via phonon creation in superfluid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review D, 2020, 102, .	4.7	13
41	Stochastic evolution of scalar fields with continuous symmetries during inflation. Physical Review D, 2020, 102, .	4.7	10
42	A solar system test of self-interacting dark matter. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 022-022.	5.4	9
43	Cannibalism's lingering imprint on the matter power spectrum. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 017.	5.4	9
44	Exotic Higgs Decays. Annual Review of Nuclear and Particle Science, 2022, 72, 119-149.	10.2	9
45	Probing supersymmetry with third-generation cascade decays. Journal of High Energy Physics, 2009, 2009, 039-039.	4.7	7
46	Faint dark matter annihilation signals and the MilkyÂWayâ€™s supermassive black hole. Physical Review D, 2020, 102, .	4.7	5
47	Singularities in the gravitational capture of dark matter through long-range interactions. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 016.	5.4	4
48	Freeze-in, glaciation, and UV sensitivity from light mediators. Journal of High Energy Physics, 2022, 2022, .	4.7	4