

Electromagnetic cascades and cascade nucleosynthesis

Physical Review D

51, 4134-4144

DOI: [10.1103/physrevd.51.4134](https://doi.org/10.1103/physrevd.51.4134)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Helium photodisintegration and nucleosynthesis: Implications for topological defects, high energy cosmic rays, and massive black holes. <i>Physical Review D</i> , 1995, 52, 6682-6693.	1.6	74
2	Successful supersymmetric inflation. <i>Nuclear Physics B</i> , 1996, 461, 597-623.	0.9	70
3	Propagation of ultra high energy protons and gamma rays over cosmological distances and implications for topological defect models. <i>Astroparticle Physics</i> , 1996, 4, 253-269.	1.9	196
4	Eternal annihilations of light photinos. <i>Physical Review D</i> , 1996, 54, 3722-3726.	1.6	4
5	Big bang nucleosynthesis and physics beyond the standard model. <i>Reports on Progress in Physics</i> , 1996, 59, 1493-1609.	8.1	422
6	Bounds on long-lived relics from diffuse γ -ray observations. <i>Physical Review D</i> , 1997, 55, 4435-4449.	1.6	57
7	Big Bang Nucleosynthesis with Matter-Antimatter Domains. <i>Physical Review Letters</i> , 1998, 81, 3307-3310.	2.9	32
8	Gamma-ray Production in Supernova Remnants. <i>Astrophysical Journal</i> , 1998, 492, 219-227.	1.6	126
9	Can unstable relics save pure Cold Dark Matter?. <i>Astroparticle Physics</i> , 2000, 12, 351-365.	1.9	1
10	Origin and propagation of extremely high-energy cosmic rays. <i>Physics Reports</i> , 2000, 327, 109-247.	10.3	564
11	Disintegration of the primordial 4He by electromagnetic cascade in the early Universe. <i>JETP Letters</i> , 2000, 72, 357-359.	0.4	0
12	Constraining Antimatter Domains in the Early Universe with Big Bang Nucleosynthesis. <i>Physical Review Letters</i> , 2000, 84, 3756-3759.	2.9	29
13	Cosmic microwave background constraint on residual annihilations of relic particles. <i>Physical Review D</i> , 2000, 63, .	1.6	58
14	Lithium-6: A Probe of the Early Universe. <i>Physical Review Letters</i> , 2000, 84, 3248-3251.	2.9	120
15	Antimatter regions in the early universe and big bang nucleosynthesis. <i>Physical Review D</i> , 2000, 62, .	1.6	15
16	Limits on cosmic matter-antimatter domains from big bang nucleosynthesis. <i>Physical Review D</i> , 2001, 63, .	1.6	18
17	Ionization history of the universe as a test for superheavy dark matter particles. <i>Physical Review D</i> , 2002, 65, .	1.6	21
18	Neutrinos in cosmology. <i>Physics Reports</i> , 2002, 370, 333-535.	10.3	450

#	ARTICLE	IF	CITATIONS
19	Cosmological deuterium production in non-standard scenarios. Planetary and Space Science, 2002, 50, 1239-1244.	0.9	7
20	Updated nucleosynthesis constraints on unstable relic particles. Physical Review D, 2003, 67, .	1.6	307
21	Production and dilution of gravitinos by modulus decay. Physical Review D, 2004, 70, .	1.6	40
22	Particle decays during the cosmic dark ages. Physical Review D, 2004, 70, .	1.6	313
23	Dark matter and background light. Physics Reports, 2004, 402, 267-406.	10.3	158
24	Ultra High Energy Cosmic Rays. Publications of the Astronomical Society of Australia, 2004, 21, 1-22.	1.3	49
25	Big-bang nucleosynthesis and hadronic decay of long-lived massive particles. Physical Review D, 2005, 71, .	1.6	633
26	Li^6 production by the radiative decay of long-lived particles. Physical Review D, 2006, 74, .	1.6	46
27	Big bang nucleosynthesis constraints on hadronically and electromagnetically decaying relic neutral particles. Physical Review D, 2006, 74, .	1.6	298
28	Gravitino-overproduction problem in an inflationary universe. Physical Review D, 2006, 74, .	1.6	114
29	Big bang nucleosynthesis with bound states of long-lived charged particles. Physical Review D, 2006, 74, .	1.6	78
30	Ultra High Energy Neutrino Astronomy. Nuclear Physics, Section B, Proceedings Supplements, 2006, 151, 260-269.	0.5	15
31	Big-bang nucleosynthesis with unstable gravitino and upper bound on the reheating temperature. Physical Review D, 2006, 73, .	1.6	170
32	Inflaton decay in supergravity. Physical Review D, 2007, 76, .	1.6	112
33	NEUTRINO MASS AND COLD DARK MATTER PARTICLES IN BIG-BANG NUCLEOSYNTHESIS. Modern Physics Letters A, 2008, 23, 2427-2442.	0.5	2
34	Primordial nucleosynthesis: From precision cosmology to fundamental physics. Physics Reports, 2009, 472, 1-76.	10.3	371
35	New constraints on radiative decay of long-lived particles in big bang nucleosynthesis with He^4 photodisintegration data. Physical Review D, 2009, 79, .	1.6	30
36	Metastable GeV-scale particles as a solution to the cosmological lithium problem. Physical Review D, 2010, 82, .	1.6	41

#	ARTICLE	IF	CITATIONS
37	Big Bang Nucleosynthesis as a Probe of New Physics. Annual Review of Nuclear and Particle Science, 2010, 60, 539-568.	3.5	170
38	Introducing the Dirac-Milne universe. Astronomy and Astrophysics, 2012, 537, A78.	2.1	71
39	The new look pMSSM with neutralino and gravitino LSPs. European Physical Journal C, 2012, 72, 1.	1.4	50
40	High Energy Neutrino Astronomy. Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 243-250.	0.5	2
41	Probing the intergalactic magnetic field with the anisotropy of the extragalactic gamma-ray background. Monthly Notices of the Royal Astronomical Society, 2013, 432, 3485-3494.	1.6	16
42	Effects of long-lived 10 ^Â MeV-scale sterile neutrinos on primordial elemental abundances and the effective neutrino number. Physical Review D, 2014, 90, .	1.6	27
43	Nonuniversal BBN bounds on electromagnetically decaying particles. Physical Review D, 2015, 91, .	1.6	52
44	Loophole to the Universal Photon Spectrum in Electromagnetic Cascades and Application to the Cosmological Lithium Problem. Physical Review Letters, 2015, 114, 091101.	2.9	37
45	Limits from BBN on light electromagnetic decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	49
46	Boosting assisted annihilation for a cosmologically safe MeV scale dark matter. Physical Review D, 2019, 99, .	1.6	9
47	Decays of long-lived relics and their signatures at IceCube. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
48	Cosmological constraints on unstable particles: Numerical bounds and analytic approximations. Physical Review D, 2019, 99, .	1.6	8
49	Resonant assisted annihilation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 033-033.	1.9	5
50	Impacts of Hawking radiation from primordial black holes in critical collapse model on the light element abundances. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 042.	1.9	8
51	Cosmological bounds on sub-GeV dark vector bosons from electromagnetic energy injection. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
52	Background Radiation Constraints on Supersymmetric Weakly Interacting Particles. Astrophysical Journal, 1997, 480, 470-480.	1.6	5
53	Ionization History of the Cosmic Plasma in the Light of the Recent Cosmic Background Imager and FuturePlanckData. Astrophysical Journal, 2003, 586, 709-717.	1.6	43
54	Manifesting hidden dynamics of a sub-component dark matter. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 052.	1.9	2

#	ARTICLE	IF	CITATIONS
55	BBN photodisintegration constraints on gravitationally produced vector bosons. Journal of High Energy Physics, 2022, 2022, .	1.6	3