

# Tim Mâ€p Tait

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

7,884  
citations

57681

46  
h-index

54771

88  
g-index

115  
all docs

115  
docs citations

115  
times ranked

8262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stasis in an expanding universe: A recipe for stable mixed-component cosmological eras. Physical Review D, 2022, 105, .	1.6	8
2	Dark matter freeze-out during SU(2) <sub>L</sub> confinement. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
3	Phenomenological cornucopia of SU(3) exotica. Physical Review D, 2022, 105, .	1.6	4
4	Resurrecting low-mass axion dark matter via a dynamical QCD scale. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
5	LHC Dark Matter Working Group: Next-generation spin-0 dark matter models. Physics of the Dark Universe, 2020, 27, 100351.	1.8	36
6	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371.	1.8	126
7	Recommendations on presenting LHC searches for missing transverse energy signals using simplified $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e258" altimg="si2.svg" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -channel models of dark matter. Physics of the Dark Universe, 2020, 27, 100365.	1.8	41
8	Dynamical evidence for a fifth force explanation of the ATOMKI nuclear anomalies. Physical Review D, 2020, 102, .	1.6	26
9	QCD baryogenesis. Physical Review D, 2020, 101, .	1.6	20
10	Dark matter freeze out during an early cosmological period of QCD confinement. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
11	Emergent Solution to the Strong CP Problem. Physical Review Letters, 2019, 123, 161602.	2.9	4
12	Direct detection and LHC constraints on a t-channel simplified model of Majorana dark matter at one loop. Journal of High Energy Physics, 2019, 2019, 1.	1.6	22
13	Early Cosmological Period of QCD Confinement. Physical Review Letters, 2019, 122, 112001.	2.9	28
14	Six top messages of new physics at the LHC. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
15	A high quality composite axion. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
16	The flavor of cosmology. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 056-056.	1.9	10
17	A new era in the search for dark matter. Nature, 2018, 562, 51-56.	13.7	259
18	Better Higgs- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ tests through information geometry. Physical Review D, 2018, 97, .	1.6	35

#	ARTICLE	IF	CITATIONS
19	Particle physics models for the 17ÅMeV anomaly in beryllium nuclear decays. Physical Review D, 2017, 95, .	1.6	116
20	Light weakly coupled axial forces: models, constraints, and projections. Journal of High Energy Physics, 2017, 2017, 1.	1.6	55
21	Mono-jet signatures of gluphilic scalar dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 93-99.	1.5	3
22	Dark matter interpretation of the Fermi-LAT observation toward the Galactic Center. Physical Review D, 2017, 95, .	1.6	66
23	Asymmetric dark matter and baryogenesis from $SU(2)_C \times U(1)_{B-L}$ models. Physical Review D, 2017, 96, .	1.6	18
24	Harmonizing the MSSM with the Galactic Center excess. Physical Review D, 2017, 96, .	1.6	11
25	A composite axion from a supersymmetric product group. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
26	Effective field theory of dark matter: a global analysis. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
27	On mono-W signatures in spin-1 simplified models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 207-213.	1.5	25
28	Protophobic Fifth-Force Interpretation of the Observed Anomaly in $Be \rightarrow Be + \gamma$ Transitions. Physical Review Letters, 2016, 117, 071803.	2.9	146
29	Dark matter from unification of color and baryon number. Physical Review D, 2016, 93, .	1.6	6
30	Kaluza-Klein gluons at 100ÅTeV: NLO corrections. Physical Review D, 2016, 94, .	1.6	2
31	$H \rightarrow \tilde{L} \tilde{L}^* + \tilde{L} \tilde{L}^*$ as a probe of the $\tilde{L}$ , magnetic dipole moment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
32	Triplet-quadruplet dark matter. Journal of High Energy Physics, 2016, 2016, 1.	1.6	22
33	Vector Dark Matter through a radiative Higgs Portal. Journal of High Energy Physics, 2016, 2016, 1-17.	1.6	16
34	Dark matter candidates: status and perspectives. , 2016, , .		0
35	Baryon number as the fourth color. Physical Review D, 2015, 92, .	1.6	14
36	A simplified model for dark matter interacting primarily with gluons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	19

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37	Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23.	1.8	250
38	Searching for lepton flavor violation at a future high energy $\langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle$ collider. Physical Review D, 2015, 91, .	1.6	9
39	Dark matter in the coming decade: Complementary paths to discovery and beyond. Physics of the Dark Universe, 2015, 7-8, 16-23.	1.8	28
40	Sensitivity of a future high energy $e^+e^-$ collider to $Z\hat{A}^2$ bosons. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075011.	1.4	1
41	Scattering of dark particles with light mediators. Physical Review D, 2014, 90, .	1.6	43
42	Bounds on Invisible Higgs Boson Decays Extracted from LHC $t\bar{t}H$ Production Data. Physical Review Letters, 2014, 113, 151801.	2.9	20
43	Criteria for natural hierarchies. Physical Review D, 2014, 89, .	1.6	35
44	Self-interacting dark matter from a non-Abelian hidden sector. Physical Review D, 2014, 89, .	1.6	161
45	Hidden on-shell mediators for the Galactic Center $\gamma$ excess. Physical Review D, 2014, 90, .	1.6	108
46	Particle physics implications and constraints on dark matter interpretations of the CDMS signal. Physical Review D, 2014, 90, .	1.6	20
47	Tagging boosted $W$ s with wavelets. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
48	Strange couplings to the Higgs. Journal of High Energy Physics, 2013, 2013, 1.	1.6	3
49	Effective theories of gamma-ray lines from dark matter annihilation. Physics of the Dark Universe, 2013, 2, 17-21.	1.8	33
50	Searches with mono-leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 384-387.	1.5	88
51	Simplified models for dark matter interacting with quarks. Journal of High Energy Physics, 2013, 2013, 1.	1.6	117
52	Gamma rays from top-mediated dark matter annihilations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 006-006.	1.9	17
53	Gamma-ray lines and one-loop continuum from $s\bar{s}$ -channel dark matter annihilations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 021-021.	1.9	28
54	Pitfalls of dark matter crossing symmetries. Physical Review D, 2013, 88, .	1.6	18

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55	Collider searches for dark matter in events with a $Z$ boson and missing energy. Physical Review D, 2013, 87, .	1.6	69
56	Dark matter and vectorlike leptons from gauged lepton number. Physical Review D, 2013, 88, .	1.6	29
57	Introductory Lectures on Collider Physics. , 2013, , 375-411.		0
58	The Dark Secrets of the Terascale. , 2013, , .		0
59	Two lines or not two lines? That is the question of gamma ray spectra. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 003-003.	1.9	68
60	Collisions of jets of particles from Active Galactic Nuclei with neutralino dark matter. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 027-027.	1.9	10
61	Limits on four-top-quark production from the ATLAS same-sign top-quark search. Physical Review D, 2012, 85, .	1.6	7
62	Gamma ray lines from a universal extra dimension. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 020-020.	1.9	24
63	Collider constraints on dipole-interacting dark matter. Physical Review D, 2012, 85, .	1.6	74
64	Top and flavour physics in the LHC era. European Physical Journal C, 2012, 72, 1.	1.4	3
65	Theories of particle dark matter. Comptes Rendus Physique, 2012, 13, 719-723.	0.3	3
66	Magnetic fluffy dark matter. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
67	Inelastic dark matter at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 335-338.	1.5	25
68	Physics searches at the LHC. Physics Reports, 2012, 515, 1-113.	10.3	72
69	Interpreting dark matter direct detection independently of the local velocity and density distribution. Physical Review D, 2011, 83, .	1.6	86
70	AFBtmeets LHC. Physical Review D, 2011, 84, .	1.6	28
71	LHC bounds on interactions of dark matter. Physical Review D, 2011, 84, .	1.6	163
72	Gamma ray line constraints on effective theories of dark matter. Nuclear Physics B, 2011, 844, 55-68.	0.9	102

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73	Particle physics implications for CoGeNT, DAMA, and Fermi. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 216-219.	1.5	43
74	CoGeNT, DAMA, and light neutralino dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 82-86.	1.5	35
75	Constraints on light Majorana dark matter from colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 185-188.	1.5	317
76	Higgs in space!. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 004-004.	1.9	82
77	Beautiful mirrors at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	27
78	Maverick dark matter at colliders. Journal of High Energy Physics, 2010, 2010, 1.	1.6	257
79	The Hunt for New Physics at the Large Hadron Collider. Nuclear Physics, Section B, Proceedings Supplements, 2010, 200-202, 185-417.	0.5	104
80	Direct Mass Limits for Chiral Fourth-Generation Quarks in All Mixing Scenarios. Physical Review Letters, 2010, 105, 111801.	2.9	31
81	Explorations of the top quark forward-backward asymmetry at the Tevatron. Physical Review D, 2010, 81, .	1.6	103
82	Constraints on dark matter from colliders. Physical Review D, 2010, 82, .	1.6	430
83	Collider Signal I : Resonance. , 2010, , .		0
84	WIMP forest: Indirect detection of a chiral square. Physical Review D, 2009, 80, .	1.6	54
85	Seeking sgluons. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 075001.	1.4	121
86	Manifestations of top compositeness at colliders. Journal of High Energy Physics, 2009, 2009, 022-022.	1.6	69
87	Bound states of weakly interacting dark matter. Physical Review D, 2009, 79, .	1.6	80
88	Neutralinos in an extension of the minimal supersymmetric standard model as the source of the PAMELA positron excess. Physical Review D, 2009, 80, .	1.6	32
89	HCP 2007 Top Theory Overview. Nuclear Physics, Section B, Proceedings Supplements, 2008, 177-178, 11-15.	0.5	1
90	Four Generations in Phenomenology. Nuclear Physics, Section B, Proceedings Supplements, 2008, 177-178, 241-245.	0.5	3

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91	Enhanced rare pion decays from a model of MeV dark matter. Physical Review D, 2008, 78, .	1.6	47
92	Top compositeness at the Tevatron and LHC. Journal of High Energy Physics, 2008, 2008, 087-087.	1.6	87
93	Kaluza-Klein gluons as a diagnostic of warped models. Physical Review D, 2007, 76, .	1.6	60
94	Four generations and Higgs physics. Physical Review D, 2007, 76, .	1.6	286
95	Baryogenesis from an earlier phase transition. Physical Review D, 2007, 75, .	1.6	25
96	Measuring the $W\tilde{t}\tilde{t}^*$ binteraction at the ILC. Physical Review D, 2006, 74, .	1.6	18
97	Truth (Top Theory Overview). AIP Conference Proceedings, 2005, , .	0.3	0
98	A fat Higgs with a fat top. Journal of High Energy Physics, 2005, 2005, 023-023.	1.6	66
99	Warped fermions and precision tests. Physical Review D, 2005, 71, .	1.6	59
100	The Higgs Mass Bound in Gauge Extensions of the Minimal Supersymmetric Standard Model. Journal of High Energy Physics, 2004, 2004, 043-043.	1.6	192
101	Running into New Territory in SUSY Parameter Space. Journal of High Energy Physics, 2004, 2004, 032-032.	1.6	48
102	Squark mixing in electron-positron reactions. Physical Review D, 2004, 69, .	1.6	5
103	$Z\tilde{Z}$ gauge bosons at the Fermilab Tevatron. Physical Review D, 2004, 70, .	1.6	418
104	Is the lightest Kaluza-Klein particle a viable dark matter candidate?. Nuclear Physics B, 2003, 650, 391-419.	0.9	657
105	Opaque branes in warped backgrounds. Physical Review D, 2003, 67, .	1.6	103
106	Precision electroweak data and unification of couplings in warped extra dimensions. Physical Review D, 2003, 68, .	1.6	83
107	The radionactive universe. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 008-008.	1.9	33
108	Top quark seesaw model, vacuum structure, and electroweak precision constraints. Physical Review D, 2002, 65, .	1.6	106

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109	Higgs boson decay into hadronic jets. Physical Review D, 2002, 66, .	1.6	14
110	Elastic scattering and direct detection of Kaluza-Klein dark matter. New Journal of Physics, 2002, 4, 99-99.	1.2	148
111	New Tools for Fermion Masses from Extra Dimensions. Journal of High Energy Physics, 2001, 2001, 051-051.	1.6	149
112	New top-flavor models with a seesaw mechanism. Physical Review D, 2000, 62, .	1.6	98
113	Single top quark production as a window to physics beyond the standard model. Physical Review D, 2000, 63, .	1.6	236
114	$tW\bar{b}$ mode of single top quark production. Physical Review D, 1999, 61, .	1.6	101