# Tim Mâ€p Tait

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8618536/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 114 papers | 7,884 citations | 50276 46 h-index | 48315 88 g-index |
| 115 all docs | 115 docs citations | 115 times ranked | 8085 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Is the lightest Kaluzaâ€“Klein particle a viable dark matter candidate?. Nuclear Physics B, 2003, 650, 391-419. | 2.5 | 657 |
| 2 | Constraints on dark matter from colliders. Physical Review D, 2010, 82, . | 4.7 | 430 |
| 3 | Zâ€²gauge bosons at the Fermilab Tevatron. Physical Review D, 2004, 70, . | 4.7 | 418 |
| 4 | Constraints on light Majorana dark matter from colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 185-188. | 4.1 | 317 |
| 5 | Four generations and Higgs physics. Physical Review D, 2007, 76, . | 4.7 | 286 |
| 6 | A new era in the search for dark matter. Nature, 2018, 562, 51-56. | 27.8 | 259 |
| 7 | Maverick dark matter at colliders. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 257 |
| 8 | Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23. | 4.9 | 250 |
| 9 | Single top quark production as a window to physics beyond the standard model. Physical Review D, 2000, 63, . | 4.7 | 236 |
| 10 | The Higgs Mass Bound in Gauge Extensions of the Minimal Supersymmetric Standard Model. Journal of High Energy Physics, 2004, 2004, 043-043. | 4.7 | 192 |
| 11 | LHC bounds on interactions of dark matter. Physical Review D, 2011, 84, . | 4.7 | 163 |
| 12 | Self-interacting dark matter from a non-Abelian hidden sector. Physical Review D, 2014, 89, . | 4.7 | 161 |
| 13 | New Tools for Fermion Masses from Extra Dimensions. Journal of High Energy Physics, 2001, 2001, 051-051. | 4.7 | 149 |
| 14 | Elastic scattering and direct detection of Kaluza-Klein dark matter. New Journal of Physics, 2002, 4, 99-99. | 2.9 | 148 |
| 15 | Protophobic Fifth-Force Interpretation of the Observed Anomaly in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Nuclear Transitions. Physical Review Letters, 2016, 117, 071803. | 7.8 | 146 |
| 16 | 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. | 4.9 | 126 |
| 17 | Seeking sgluons. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 075001. | 3.6 | 121 |
| 18 | Simplified models for dark matter interacting with quarks. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 117 |

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|---|---|---|---|
| 19 | Particle physics models for the 17ÂMeV anomaly in beryllium nuclear decays. Physical Review D, 2017, 95, . | 4.7 | 116 |
| 20 | Hidden on-shell mediators for the Galactic Center<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-ray excess. Physical Review D, 2014, 90, . | 4.7 | 108 |
| 21 | Top quark seesaw model, vacuum structure, and electroweak precision constraints. Physical Review D, 2002, 65, . | 4.7 | 106 |
| 22 | The Hunt for New Physics at the Large Hadron Collider. Nuclear Physics, Section B, Proceedings Supplements, 2010, 200-202, 185-417. | 0.4 | 104 |
| 23 | Opaque branes in warped backgrounds. Physical Review D, 2003, 67, . | 4.7 | 103 |
| 24 | Explorations of the top quark forward-backward asymmetry at the Tevatron. Physical Review D, 2010, 81, . | 4.7 | 103 |
| 25 | Gamma ray line constraints on effective theories of dark matter. Nuclear Physics B, 2011, 844, 55-68. | 2.5 | 102 |
| 26 | tWâ¯mode of single top quark production. Physical Review D, 1999, 61, . | 4.7 | 101 |
| 27 | New top-flavor models with a seesaw mechanism. Physical Review D, 2000, 62, . | 4.7 | 98 |
| 28 | Searches with mono-leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 384-387. | 4.1 | 88 |
| 29 | Top compositeness at the Tevatron and LHC. Journal of High Energy Physics, 2008, 2008, 087-087. | 4.7 | 87 |
| 30 | Interpreting dark matter direct detection independently of the local velocity and density distribution. Physical Review D, 2011, 83, . | 4.7 | 86 |
| 31 | Precision electroweak data and unification of couplings in warped extra dimensions. Physical Review D, 2003, 68, . | 4.7 | 83 |
| 32 | Higgs in space!. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 004-004. | 5.4 | 82 |
| 33 | Bound states of weakly interacting dark matter. Physical Review D, 2009, 79, . | 4.7 | 80 |
| 34 | Collider constraints on dipole-interacting dark matter. Physical Review D, 2012, 85, . | 4.7 | 74 |
| 35 | Physics searches at the LHC. Physics Reports, 2012, 515, 1-113. | 25.6 | 72 |
| 36 | Manifestations of top compositeness at colliders. Journal of High Energy Physics, 2009, 2009, 022-022. | 4.7 | 69 |

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| 37 | Collider searches for dark matter in events with a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi></mml:math>boson and missing energy. Physical Review D, 2013, 87, . | 4.7 | 69 |
| 38 | Two lines or not two lines? That is the question of gamma ray spectra. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 003-003. | 5.4 | 68 |
| 39 | A fat Higgs with a fat top. Journal of High Energy Physics, 2005, 2005, 023-023. | 4.7 | 66 |
| 40 | Dark matter interpretation of the Fermi -LAT observation toward the Galactic Center. Physical Review D, 2017, 95, . | 4.7 | 66 |
| 41 | Kaluza-Klein gluons as a diagnostic of warped models. Physical Review D, 2007, 76, . | 4.7 | 60 |
| 42 | Warped fermions and precision tests. Physical Review D, 2005, 71, . | 4.7 | 59 |
| 43 | Light weakly coupled axial forces: models, constraints, and projections. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 55 |
| 44 | WIMP forest: Indirect detection of a chiral square. Physical Review D, 2009, 80, . | 4.7 | 54 |
| 45 | Running into New Territory in SUSY Parameter Space. Journal of High Energy Physics, 2004, 2004, 032-032. | 4.7 | 48 |
| 46 | Enhanced rare pion decays from a model of MeV dark matter. Physical Review D, 2008, 78, . | 4.7 | 47 |
| 47 | Particle physics implications for CoGeNT, DAMA, and Fermi. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 216-219. | 4.1 | 43 |
| 48 | Scattering of dark particles with light mediators. Physical Review D, 2014, 90, . | 4.7 | 43 |
| 49 | Recommendations on presenting LHC searches for missing transverse energy signals using simplified<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e258" altimg="si2.svg"><mml:mi>s</mml:mi></mml:math>-channel models of dark matter. Physics of the Dark Universe, 2020, 27, 100365. | 4.9 | 41 |
| 50 | A high quality composite axion. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 37 |
| 51 | LHC Dark Matter Working Group: Next-generation spin-0 dark matter models. Physics of the Dark Universe, 2020, 27, 100351. | 4.9 | 36 |
| 52 | CoGeNT, DAMA, and light neutralino dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 82-86. | 4.1 | 35 |
| 53 | Criteria for natural hierarchies. Physical Review D, 2014, 89, . | 4.7 | 35 |
| 54 | Better Higgs- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:mrow></mml:math> tests through information geometry. Physical Review D, 2018, 97, . | 4.7 | 35 |

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| 55 | The radionactive universe. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 008-008. | 5.4 | 33 |
| 56 | Effective theories of gamma-ray lines from dark matter annihilation. Physics of the Dark Universe, 2013, 2, 17-21. | 4.9 | 33 |
| 57 | Neutralinos in an extension of the minimal supersymmetric standard model as the source of the PAMELA positron excess. Physical Review D, 2009, 80, . | 4.7 | 32 |
| 58 | Direct Mass Limits for Chiral Fourth-Generation Quarks in All Mixing Scenarios. Physical Review Letters, 2010, 105, 111801. | 7.8 | 31 |
| 59 | Magnetic fluffy dark matter. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 29 |
| 60 | Dark matter and vectorlike leptons from gauged lepton number. Physical Review D, 2013, 88, . | 4.7 | 29 |
| 61 | AFBtmeets LHC. Physical Review D, 2011, 84, . | 4.7 | 28 |
| 62 | Gamma-ray lines and one-loop continuum froms-channel dark matter annihilations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 021-021. | 5.4 | 28 |
| 63 | Dark matter in the coming decade: Complementary paths to discovery and beyond. Physics of the Dark Universe, 2015, 7-8, 16-23. | 4.9 | 28 |
| 64 | Early Cosmological Period of QCD Confinement. Physical Review Letters, 2019, 122, 112001. | 7.8 | 28 |
| 65 | Beautiful mirrors at the LHC. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 27 |
| 66 | Dynamical evidence for a fifth force explanation of the ATOMKI nuclear anomalies. Physical Review D, 2020, 102, . | 4.7 | 26 |
| 67 | Baryogenesis from an earlier phase transition. Physical Review D, 2007, 75, . | 4.7 | 25 |
| 68 | Inelastic dark matter at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 335-338. | 4.1 | 25 |
| 69 | On mono-W signatures in spin-1 simplified models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 207-213. | 4.1 | 25 |
| 70 | Gamma ray lines from a universal extra dimension. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 020-020. | 5.4 | 24 |
| 71 | Effective field theory of dark matter: a global analysis. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 24 |
| 72 | Triplet-quadruplet dark matter. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 22 |

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| 73 | 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. | 4.7 | 22 |
| 74 | Bounds on Invisible Higgs Boson Decays Extracted from LHCttÂ¯HProduction Data. Physical Review Letters, 2014, 113, 151801. | 7.8 | 20 |
| 75 | Particle physics implications and constraints on dark matter interpretations of the CDMS signal. Physical Review D, 2014, 90, . | 4.7 | 20 |
| 76 | QCD baryogenesis. Physical Review D, 2020, 101, . | 4.7 | 20 |
| 77 | A simplified model for dark matter interacting primarily with gluons. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 19 |
| 78 | A composite axion from a supersymmetric product group. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 19 |
| 79 | Measuring theWâ^'tâ^'binteraction at the ILC. Physical Review D, 2006, 74, . | 4.7 | 18 |
| 80 | Pitfalls of dark matter crossing symmetries. Physical Review D, 2013, 88, . | 4.7 | 18 |
| 81 | Asymmetric dark matter and baryogenesis from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:msub><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 412 Td (s 96, . | 4.7 | 18 |
| 82 | Gamma rays from top-mediated dark matter annihilations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 006-006. | 5.4 | 17 |
| 83 | Vector Dark Matter through a radiative Higgs Portal. Journal of High Energy Physics, 2016, 2016, 1-17. | 4.7 | 16 |
| 84 | Six top messages of new physics at the LHC. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 15 |
| 85 | Higgs boson decay into hadronic jets. Physical Review D, 2002, 66, . | 4.7 | 14 |
| 86 | Baryon number as the fourth color. Physical Review D, 2015, 92, . | 4.7 | 14 |
| 87 | Tagging boosted Ws with wavelets. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 12 |
| 88 | Harmonizing the MSSM with the Galactic Center excess. Physical Review D, 2017, 96, . | 4.7 | 11 |
| 89 | Dark matter freeze out during an early cosmological period of QCD confinement. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 11 |
| 90 | Collisions of jets of particles from Active Galactic Nuclei with neutralino dark matter. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 027-027. | 5.4 | 10 |

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| 91 | H â†’Ï„+ Ï„â^’ Î³ as a probe of the Ï„ magnetic dipole moment. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 10 |
| 92 | The flavor of cosmology. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 056-056. | 5.4 | 10 |
| 93 | Searching for lepton flavor violation at a future high energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>e</mml:mi><mml:mo Physical Review D, 2015, 91, . | 4.7 | 9 |
| 94 | Stasis in an expanding universe: A recipe for stable mixed-component cosmological eras. Physical Review D, 2022, 105, . | 4.7 | 8 |
| 95 | Limits on four-top-quark production from the ATLAS same-sign top-quark search. Physical Review D, 2012, 85, . | 4.7 | 7 |
| 96 | Dark matter from unification of color and baryon number. Physical Review D, 2016, 93, . | 4.7 | 6 |
| 97 | Squark mixing in electron-positron reactions. Physical Review D, 2004, 69, . | 4.7 | 5 |
| 98 | Resurrecting low-mass axion dark matter via a dynamical QCD scale. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 99 | Emergent Solution to the Strong CP Problem. Physical Review Letters, 2019, 123, 161602. | 7.8 | 4 |
| 100 | Phenomenological cornucopia of SU(3) exotica. Physical Review D, 2022, 105, . | 4.7 | 4 |
| 101 | Four Generations in Phenomenology. Nuclear Physics, Section B, Proceedings Supplements, 2008, 177-178, 241-245. | 0.4 | 3 |
| 102 | Top and flavour physics in the LHC era. European Physical Journal C, 2012, 72, 1. | 3.9 | 3 |
| 103 | Theories of particle dark matter. Comptes Rendus Physique, 2012, 13, 719-723. | 0.9 | 3 |
| 104 | Strange couplings to the Higgs. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 3 |
| 105 | Mono-jet signatures of gluphilic scalar dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 93-99. | 4.1 | 3 |
| 106 | Kaluza-Klein gluons at 100ÂTeV: NLO corrections. Physical Review D, 2016, 94, . | 4.7 | 2 |
| 107 | HCP 2007 Top Theory Overview. Nuclear Physics, Section B, Proceedings Supplements, 2008, 177-178, 11-15. | 0.4 | 1 |
| 108 | Sensitivity of a future high energye+eâ^’collider toZâ€² bosons. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075011. | 3.6 | 1 |

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| 109 | Dark matter freeze-out during SU(2)L confinement. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 1 |
| 110 | Truth (Top Theory Overview). AIP Conference Proceedings, 2005, , . | 0.4 | 0 |
| 111 | Introductory Lectures on Collider Physics. , 2013, , 375-411. | | 0 |
| 112 | Collider Signal I : Resonance. , 2010, , . | | 0 |
| 113 | The Dark Secrets of the Terascale. , 2013, , . | | 0 |
| 114 | Dark matter candidates: status and perspectives. , 2016, , . | | 0 |