

Andreas Trautner

List of Publications by Year in descending order

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all docs

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#	ARTICLE	IF	CITATIONS
1	CP violation from finite groups. Nuclear Physics B, 2014, 883, 267-305.	2.5	126
2	Unification of flavor, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{CP} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$, and modular symmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 7-14.	4.1	119
3	A string theory of flavor and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{CP} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$. Nuclear Physics B, 2019, 947, 114737.	2.5	82
4	Vectorlike chiral fourth family to explain muon anomalies. Physical Review D, 2018, 97, .	4.7	51
5	Neutrino Self-Interactions and XENON1T Electron Recoil Excess. Physical Review Letters, 2020, 125, 161802.	7.8	47
6	Complete vectorlike fourth family and new $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{U} \langle / \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 522 Td (stretchy="false")} \rangle \langle / \text{mml:math} \rangle$	4.7	46
7	The Hubble tension and a renormalizable model of gauged neutrino self-interactions. Physical Review D, 2020, 102, .	4.7	37
8	Complete vectorlike fourth family with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{U} \langle / \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 442 Td (stretchy="false")} \rangle \langle / \text{mml:math} \rangle$	4.7	26
9	Systematic construction of basis invariants in the 2HDM. Journal of High Energy Physics, 2019, 2019, 1.	4.7	21
10	Symmetries of symmetries and geometrical CP violation. Nuclear Physics B, 2015, 894, 136-160.	2.5	20
11	Nonthermal cosmic neutrino background. Physical Review D, 2015, 92, .	4.7	19
12	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{CP} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ violation from string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 283-287.	4.1	19
13	Exploring extra dimensions through inflationary tensor modes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
14	Non-Abelian discrete R symmetries. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
15	Orbifolds from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Sp} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 4 \langle / \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 172 Td (stretchy="false")} \rangle \langle / \text{mml:math} \rangle$ modular symmetries. Nuclear Physics B, 2021, 971, 115534.	4.7	11
16	Top-down anatomy of flavor symmetry breakdown. Physical Review D, 2022, 105, .	4.7	12
17	Anomaly-safe discrete groups. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 22-26.	4.1	11
18	Unified emergence of energy scales and cosmic inflation. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11

#	ARTICLE	IF	CITATIONS
19	Beyond basis invariants. European Physical Journal C, 2019, 79, 1.	3.9	10
20	Basis-invariant conditions for $\langle C \rangle P$ symmetry of order four. Physical Review D, 2019, 99, .	4.7	9
21	On the systematic construction of basis invariants. Journal of Physics: Conference Series, 2020, 1586, 012005.	0.4	7
22	CP violation with an unbroken CP transformation. Journal of High Energy Physics, 2017, 2017, 1.	4.7	5
23	Simultaneous block diagonalization of matrices of finite order. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 085203.	2.1	4
24	Massive Fermi gas in the expanding universe. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	5.4	3
25	CP as a Symmetry of Symmetries. Journal of Physics: Conference Series, 2017, 873, 012037.	0.4	2
26	Asymmetric tri-bi-maximal mixing and residual symmetries. Modern Physics Letters A, 2020, 35, 2050292.	1.2	2
27	Neutron Bound \hat{I}^2 -Decay-BOB. Physics Procedia, 2011, 17, 191-198.	1.2	0
28	The bound -decay of the free neutron. , 2012, , .		0
29	A fully basis invariant symmetry map of the 2HDM. Journal of High Energy Physics, 2021, 2021, 1.	4.7	0