

Tanumoy Mandal

List of Publications by Year in descending order

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35
papers

732
citations

516710

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27
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all docs

35
docs citations

35
times ranked

3408
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects of heavy neutrino searches at future lepton colliders. Physical Review D, 2015, 92, .	4.7	76
2	Phenomenological signatures of additional scalar bosons at the LHC. European Physical Journal C, 2016, 76, 1.	3.9	70
3	Pair production of scalar leptoquarks at the LHC to NLO parton shower accuracy. Physical Review D, 2016, 93, .	4.7	53
4	Single productions of colored particles at the LHC: an example with scalar leptoquarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	51
5	Addressing the anomalies with an LHC signatures of warped-space vectorlike quarks. Journal of High Energy Physics, 2014, 2014, 1.	4.7	46
6	Hunting for scalar leptoquarks with boosted tops and light leptons. Physical Review D, 2019, 100, .	4.7	43
7	Signatures of vector-like top partners decaying into new neutral scalar or pseudoscalar bosons. Journal of High Energy Physics, 2020, 2020, 1.	4.7	42
8	LHC signatures of a vectorlike Physical Review D, 2011, 84, .	4.7	26
9	Constraining minimal anomaly free U(1) extensions of the Standard Model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	26
10	Exploration of the tensor structure of the Higgs boson coupling to weak bosons in $e + e \hat{\nu}$ collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
11	Precise limits on the charge- vector leptoquark. Physical Review D, 2021, 104, .	4.7	23
12	Probing the inert doublet model using jet substructure with a multivariate analysis. Physical Review D, 2019, 100, .	4.7	21
13	Probing color octet electrons at the LHC. Physical Review D, 2013, 87, .	4.7	20
14	Neutrality of a magnetized two-flavor quark superconductor. Physical Review C, 2013, 87, .	2.9	19
15	Boosting vector leptoquark searches with boosted tops. Physical Review D, 2020, 101, .	4.7	16
16	Improving third-generation leptoquark searches with combined signals and boosted top quarks. Physical Review D, 2021, 104, .	4.7	16

#	ARTICLE	IF	CITATIONS
19	Probing compositeness with the CMS $e\bar{e}j + eej$ data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 219-225.	4.1	15
20	Neutrino and $Z\alpha^2$ phenomenology in an anomaly-free $U(1)$ extension: role of higher-dimensional operators. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
21	Minimal anomalous $U(1)$ theories and collider phenomenology. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
22	Effect of Strong Magnetic Field on Competing Order Parameters in Two-Flavor Dense Quark Matter. Advances in High Energy Physics, 2017, 2017, 1-11.	1.1	9
23	Cornering dimension-6 HVV interactions at high energy LHC: the role of event ratios. Journal of High Energy Physics, 2015, 2015, 1.	4.7	8
24	Effect of temperature and magnetic field on two-flavor superconducting quark matter. Physical Review D, 2016, 94, .	4.7	7
25	Heavy photophilic scalar at the LHC from a varying electromagnetic coupling. Nuclear Physics B, 2017, 919, 569-582.	2.5	7
26	Heavy charged scalars from SS fusion: a generic search strategy applied to a 3HDM with $U(1) \times U(1)$ family symmetry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
27	LHC Probes of TeV-Scale Scalars in SS fusion: a generic search strategy applied to a 3HDM with $U(1) \times U(1)$ family symmetry. Journal of High Energy Physics, 2018, 2018, 1. LHC Probes of TeV-Scale Scalars in SS fusion: a generic search strategy applied to a 3HDM with $U(1) \times U(1)$ family symmetry. Journal of High Energy Physics, 2017, 2017, 1-13.		
28	Testing left-right symmetry with an inverse seesaw mechanism at the LHC. Physical Review D, 2022, 105, .	4.7	4
29	Coupling extraction from off-shell cross sections. Physical Review D, 2014, 90, .	4.7	3
30	The impact of additional scalar bosons at the LHC. Journal of Physics: Conference Series, 2017, 802, 012007.	0.4	3
31	Varying gauge couplings and collider phenomenology. Physical Review D, 2019, 100, .	4.7	3
32	Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. Advances in High Energy Physics, 2018, 2018, 1-14.	1.1	2
33	Working group report: Physics at the Large Hadron Collider. Pramana - Journal of Physics, 2011, 76, 707-723.	1.8	1
34	Graviton Signals in Central Production at the LHC. Advances in High Energy Physics, 2013, 2013, 1-17.	1.1	1
35	Exclusion Limits on Minimal Anomaly Free $U(1)$ Extensions of the Standard Model. Springer Proceedings in Physics, 2018, , 243-246.	0.2	0