

Digesh Raut

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Forward Physics Facility: Sites, experiments, and physics potential. <i>Physics Reports</i> , 2022, 968, 1-50.	25.6	57
2	Heavy Majorana neutrino pair productions at the LHC in minimal U(1) extended Standard Model. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	48
3	Enhanced pair production of heavy Majorana neutrinos at the LHC. <i>Physical Review D</i> , 2018, 97, .	4.7	44
4	Dark matter $Z\hat{\epsilon}^2$ and XENON1T excess from U(1) extended standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135785.	4.1	33
5	SU(5) \hat{A} –U(1) grand unification with minimal seesaw and $Z\hat{\epsilon}^2$ -portal dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 422-426.	4.1	27
6	Probing the seesaw mechanism at the 250 GeV ILC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134849.	4.1	27
7	Inflection-point inflation in a hyper-charge oriented $U(1)$ extended standard model. <i>Physical Review D</i> , 2017, 95, .	4.7	25
8	Inflection-point $U(1)$ extended standard model Higgs inflation. <i>Physical Review D</i> , 2017, 95, .	4.7	21
9	Displaced vertex signature of type-I seesaw model. <i>Physical Review D</i> , 2018, 98, .	4.7	20
10	Natural $Z\hat{\epsilon}^2$ -portal Majorana dark matter in alternative U(1) extended standard model. <i>Physical Review D</i> , 2019, 100, .	4.7	20
11	Nonminimal quartic inflation in classically conformal U(1)X extended standard model. <i>Physical Review D</i> , 2018, 97, .	4.7	18
12	Hunting inflatons at FASER. <i>Physical Review D</i> , 2021, 103, .	4.7	18
13	Pseudo-Goldstone dark matter in a gauged $U(1)$ extended standard model. <i>Physical Review D</i> , 2021, 103, .	4.7	17
14	Running non-minimal inflation with stabilized inflaton potential. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	15
15	Inflation, proton decay, and Higgs-portal dark matter in $SO(10)$ imes $U(1)_\psi$. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	8
16	Pseudo-Goldstone dark matter in $SO(10)$ extended standard model. <i>Physical Review D</i> , 2021, 103, .	4.7	8
17	SMART U(1) X : standard model with axion, right handed neutrinos, two Higgs doublets and U(1) X gauge symmetry. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	7
18	Inflection-point inflation with axion dark matter in light of Trans-Planckian Censorship Conjecture. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 136001.	4.1	6

#	ARTICLE	IF	CITATIONS
19	Domain-Wall Standard Model in non-compact 5D and LHC phenomenology. <i>Modern Physics Letters A</i> , 2019, 34, 1950080.	1.2	5
20	Fermion mass hierarchy and phenomenology in the 5D Domain Wall Standard Model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	2
21	$SU(5)\tilde{A}-U(1)_X$ axion model with observable proton decay. <i>Physical Review D</i> , 2021, 104, .	4.7	0