

Search for doubly charged Higgs boson production in m
ATLAS detector using protonâ€™proton collisions at \$\$\$

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A neutrinoless double beta decay master formula from effective field theory. Journal of High Energy Physics, 2018, 2018, 1.	1.6	79
2	Displaced vertex signatures of doubly charged scalars in the type-II seesaw and its left-right extensions. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
3	Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. Physical Review D, 2018, 98, .	1.6	15
4	Doubly-charged scalars in the type II seesaw mechanism: Fundamental symmetry tests and high-energy searches. Physical Review D, 2018, 98, .	1.6	38
5	Zee-Babu type model with $U \left(\frac{1}{\Lambda} \right)_{ij} \left(\frac{1}{\Lambda} \right)_{kl} T_j \left(\frac{1}{\Lambda} \right)_{mn} \left(\frac{1}{\Lambda} \right)_{pq} \left(\frac{1}{\Lambda} \right)_{rs} \left(\frac{1}{\Lambda} \right)_{tu} \left(\frac{1}{\Lambda} \right)_{vw} \left(\frac{1}{\Lambda} \right)_{xy} \left(\frac{1}{\Lambda} \right)_{z0}$ Physical Review D, 2018, 97, .	1.6	57
6	Type II Seesaw and tau lepton at the HL-LHC, HE-LHC and FCC-hh. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
7	Probing the type-II seesaw mechanism through the production of Higgs bosons at a lepton collider. Physical Review D, 2018, 98, .	1.6	28
8	An almost elementary Higgs: theory and practice. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
9	Investigating the scalar sector of left-right symmetric models with leptonic probes. Physical Review D, 2018, 98, .	1.6	9
10	Neutrino mass from Higgs quadruplet and multicharged Higgs searches at the LHC. Physical Review D, 2018, 97, .	1.6	14
11	Lepton Number Violation: Seesaw Models and Their Collider Tests. Frontiers in Physics, 2018, 6, .	1.0	188
12	Exploring scalar and vector bileptons at the LHC in a 331 model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 73-83.	1.5	14
13	Low scale type II seesaw: present constraints and prospects for displaced vertex searches. Journal of High Energy Physics, 2019, 2019, 1.	1.6	32
14	Phenomenological study of texture zeros in lepton mass matrices of minimal left-right symmetric model. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
15	Exotic colored fermions and lepton number violation at the LHC. Physical Review D, 2019, 99, .	1.6	0
16	Dark matter and LHC phenomenology of a scale-invariant scotogenic model. Chinese Physics C, 2019, 43, 103102.	1.5	3
17	Doubly charged scalar at the High-Luminosity and High-Energy LHC. International Journal of Modern Physics A, 2019, 34, 1950157.	0.5	20
18	Implementing the inverse type-II seesaw mechanism into the 3-3-1 model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134827.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Fermion dark matter with scalar triplet at direct and collider searches. Physical Review D, 2019, 100, .	1.6	18
20	Doubly-charged Higgs boson at a future electron-proton collider. Physical Review D, 2019, 99, .	1.6	12
21	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
22	Probing neutrino Dirac mass in left-right symmetric models at the LHC and next generation colliders. Physical Review D, 2019, 99, .	1.6	13
23	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
24	Impact of Yukawa-like dimension-five operators on the Georgi-Machacek model. Physical Review D, 2019, 99, .	1.6	10
25	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39
26	Type-II seesaw scalar triplet model at a 100 TeV pp collider: discovery and higgs portal coupling determination. Journal of High Energy Physics, 2019, 2019, 1.	1.6	41
27	Perturbativity constraints on $U(1)_{B-L}$ and left-right models and implications for heavy gauge boson searches. Journal of High Energy Physics, 2019, 2019, 1.	1.6	22
28	Multileptonic signals of co-annihilating left-right supersymmetric dark matter. Physical Review D, 2019, 99, .	1.6	6
29	Global fits in the Georgi-Machacek model. Physical Review D, 2019, 99, .	1.6	26
30	Neutrino mass models: new classification and model-independent upper limits on their scale. European Physical Journal C, 2019, 79, 1.	1.4	9
31	Lepton flavor violation and collider searches in a type I + II seesaw model. European Physical Journal C, 2019, 79, 1.	1.4	14
32	Associated production of SM Higgs with a photon in type-II seesaw models at the ILC. European Physical Journal C, 2019, 79, 1.	1.4	8
33	Long-lived heavy particles in neutrino mass models. Physical Review D, 2019, 100, .	1.6	7
34	Sensitivity of future lepton colliders and low-energy experiments to charged lepton flavor violation from bileptons. Physical Review D, 2019, 100, .	1.6	8
35	GUT Physics in the Era of the LHC. Frontiers in Physics, 2019, 7, .	1.0	35
36	Left-right supersymmetric option at a high-energy upgrade of the LHC. Physical Review D, 2020, 101, .	1.6	3

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37	Consequences of neutrinoless double decays dominated by short ranged interactions. Physical Review D, 2020, 102, .	1.6	1
38	Prospects of searches for long-lived charged particles with MoEDAL. European Physical Journal C, 2020, 80, 1.	1.4	10
39	Muon anomalous magnetic moment, Z boson decays, and collider physics in multicharged particles. Physical Review D, 2020, 101, .	1.6	8
40	Connection between $\hat{1}/2\hat{n}\hat{t}^{\dagger}\hat{1}/2\hat{A}^{\dagger}\hat{n}\hat{A}^{\dagger}$ reactions and $\hat{n}\hat{\nu}^{\dagger}\hat{n}\hat{\nu}$ oscillations via additional Higgs triplet bosons. Physical Review D, 2020, 101, .	1.6	2
41	Probing doubly and singly charged Higgs bosons at the $p\bar{p}$ collider HE-LHC. Physical Review D, 2020, 101, .	1.6	25
42	Long-lived charged particles and multilepton signatures from neutrino mass models. Physical Review D, 2020, 101, .	1.6	5
43	Leptons in the proton. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
44	Minimal 3-loop neutrino mass models and charged lepton flavor violation. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
45	Type II seesaw models with modular A_4 symmetry. Physical Review D, 2020, 102, .	1.6	61
46	New mechanism for matter-antimatter asymmetry and connection with dark matter. Physical Review D, 2020, 102, .	1.6	14
47	Light scalars with lepton number to solve the $g\tilde{a}^2$ anomaly. Physical Review D, 2020, 102, .	1.6	11
48	Same-sign tetralepton signature at the Large Hadron Collider and a future $p\bar{p}$ collider. Physical Review D, 2020, 101, .	1.6	11
49	Radiative generation of neutrino masses in a 3-3-1 type model. Physical Review D, 2020, 101, .	1.6	7
50	Search for Lepton-Flavor-Violating Decays of Bosons With the ATLAS Detector. Frontiers in Physics, 2020, 8, .	1.0	4
51	Limits on 331 vector bosons from LHC proton collision data. Physical Review D, 2020, 101, .	1.6	10
52	Doubly Charged Higgs Bosons and Spontaneous Symmetry Breaking at eV and TeV Scales. Symmetry, 2020, 12, 153.	1.1	3
53	Search for like-sign dileptons plus two jets signal in the framework of the manifest left-right symmetric model. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
54	SEARCH FOR NEW HEAVY HIGGS BOSONS IN ATLAS AND CMS EXPERIMENTS AT LHC (MINI-REVIEW). Journal of Experimental and Theoretical Physics Letters, 2021, 113, 221-222.	0.0	2

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55	Triply charged Higgs bosons at a 100 TeV pp collider. European Physical Journal C, 2021, 81, 1.	1.4	0
56	Search for New Heavy Higgs Bosons in the ATLAS and CMS Experiments at the LHC (Brief Review). JETP Letters, 2021, 113, 213-225.	0.4	0
57	Probing the doubly charged Higgs boson with a muonium to antimuonium conversion experiment. Physical Review D, 2021, 103, .	1.6	12
58	Prospects of gravitational waves in the minimal left-right symmetric model. Journal of High Energy Physics, 2021, 2021, 1.	1.6	13
60	Low energy constraints from absolute neutrino mass observables and lepton flavor violation in left-right symmetric model. Physical Review D, 2021, 103, .	1.6	2
61	Unified framework for B-anomalies, muon $g - 2$ and neutrino masses. Journal of High Energy Physics, 2021, 2021, 1.	1.6	64
62	Left-Right Symmetry and Leading Contributions to Neutrinoless Double Beta Decay. Physical Review Letters, 2021, 126, 151801.	2.9	16
63	Benchmark for LHC searches for low-mass custodial fiveplet scalars in the Georgi-Machacek model. Physical Review D, 2021, 103, .	1.6	8
64	Discriminating the HTM and MLRSM models in collider studies via doubly charged Higgs boson pair production and the subsequent leptonic decays *. Chinese Physics C, 2021, 45, 073113.	1.5	8
65	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
66	Vacuum stability conditions for Higgs potentials with SU(2) _L triplets. Physical Review D, 2021, 103, .	1.6	11
67	Production of the Doubly Charged Higgs Boson in Association with the SM Gauge Bosons and/or Other HTM Scalars at Hadron Colliders. Symmetry, 2021, 13, 1240.	1.1	4
68	Simple models with both baryon and lepton number violation by two units. Physical Review D, 2021, 104, .	1.6	4
69	Connecting low scale seesaw for neutrino mass to inelastic sub-GeV dark matter with Abelian gauge symmetry. Nuclear Physics B, 2021, 968, 115407.	0.9	7
70	Phenomenological study of type II seesaw with $\hat{1}''(27)$ symmetry. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 105003.	1.4	3
71	Exploding operators for Majorana neutrino masses and beyond. Journal of High Energy Physics, 2021, 2021, 1.	1.6	13
72	LHC signals of triplet scalars as dark matter portal: cut-based approach and improvement with gradient boosting and neural networks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
73	A minimal supersymmetric left-right model, dark matter and signals at the LHC. European Physical Journal: Special Topics, 2020, 229, 3187-3203.	1.2	2

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74	Extended Scalar Sectors. Annual Review of Nuclear and Particle Science, 2020, 70, 197-223.	3.5	6
76	Same-sign tetralepton signature in type-II seesaw at lepton colliders *. Chinese Physics C, 2022, 46, 012001.	1.5	6
77	Physics with leptons and photons at the LHC. Physical Review D, 2021, 104, .	1.6	11
78	Searches for a doubly charged scalar at LHC and future colliders. , 2018, , .		0
79	Probing the decoupled seesaw scalar in rare Higgs boson decay. Journal of High Energy Physics, 2020, 2020, 1.	1.6	5
80	Neutrino and doubly charged Higgs boson phenomenology in flavored-TNMSSM. Nuclear Physics B, 2022, 974, 115640.	0.9	1
81	Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136832.	1.5	7
82	Effective connections of $a\hat{1}/4$, Higgs physics, and the collider frontier. Physical Review D, 2022, 105, .	1.6	1
83	Models of the muonium to antimuonium transition. Physical Review D, 2022, 105, .	1.6	11
84	Non-decoupling new particles. Journal of High Energy Physics, 2022, 2022, 1.	1.6	14
85	Type-III see-saw: Search for triplet fermions in final states with multiple leptons and fat-jets at 13 TeV LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136889.	1.5	11
86	Non-leptonic decays of bileptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 826, 136904.	1.5	0
87	Accidental symmetries in the scalar potential of the Standard Model extended with two Higgs triplets. Journal of High Energy Physics, 2022, 2022, 1.	1.6	0
88	Doubly charged Higgs production at future ep colliders *. Chinese Physics C, 2022, 46, 063107.	1.5	5
89	Charged Lepton Flavor Violation at the High-Energy Colliders: Neutrino Mass Relevant Particles. Universe, 2022, 8, 164.	0.9	0
90	Revisiting type-II see-saw: present limits and future prospects at LHC. Journal of High Energy Physics, 2022, 2022, 1.	1.6	27
91	Leptonic scalars and collider signatures in a UV-complete model. Journal of High Energy Physics, 2022, 2022, 1.	1.6	9
92	Affleck-Dine Leptogenesis from Higgs Inflation. Physical Review Letters, 2022, 128, 141801.	2.9	17

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93	Analyses of scalar potential and lepton flavor violating decays in a model with A4 symmetry. Nuclear Physics B, 2022, , 115764.	0.9	0
94	High-energy colliders as a probe of neutrino properties. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137110.	1.5	5
95	Search for exotic leptons in final states with two or three leptons and fat-jets at 13 TeV LHC. Journal of High Energy Physics, 2022, 2022, 1.	1.6	7
96	Toward deconstructing the simplest seesaw mechanism. Physical Review D, 2022, 105, .	1.6	18
97	Type II Seesaw leptogenesis. Journal of High Energy Physics, 2022, 2022, .	1.6	13
98	Alternative signatures of the quintuplet fermions at the LHC and future linear colliders. Physical Review D, 2022, 105, .	1.6	1
99	Dirac dark matter, dark radiation, and the type-II seesaw mechanism in alternative $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle U \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle T_j \text{ETQq0 0 0 rgBT /Overlock 10 Tf}^2 \text{50 492 Td}$	1.6	20
100	standard model. Physical Review D, 2022, 105, . Probing neutrino mass models through resonances at neutrino telescopes. International Journal of Modern Physics A, 2022, 37, .	0.5	4
101	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -boson mass in the triplet seesaw model. Physical Review D, 2022, 106, .	1.6	29
102	Dark matter in a charged variant of the Scotogenic model. European Physical Journal C, 2022, 82, .	1.4	4
103	Electroweak phase transition and gravitational waves in the type-II seesaw model. Journal of High Energy Physics, 2022, 2022, .	1.6	13
104	Flavour and dark matter in a scoto/type-II seesaw model. Journal of High Energy Physics, 2022, 2022, .	1.6	5
105	Neutrino seesaw models at one-loop matching: discrimination by effective operators. Journal of High Energy Physics, 2022, 2022, .	1.6	14
106	Constraints on exotic particle masses from flavor violating charged lepton decays and the role of interference. Physical Review D, 2022, 106, .	1.6	1
107	Neutrinoless double beta decay and the muonium-to-antimuonium transition in models with a doubly charged scalar. Physical Review D, 2022, 106, .	1.6	1
108	Confronting dark fermion with a doubly charged Higgs in the left-right symmetric model. European Physical Journal C, 2022, 82, .	1.4	3
109	Type II seesaw model: Searching for the LHC-elusive low-mass triplet Higgs bosons at $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$	1.6	6
110	colliders. Physical Review D, 2022, 106, . Measuring lepton flavor violation at the LHC. Physical Review D, 2022, 106, .	1.6	1

#	ARTICLE	IF	CITATIONS
111	Light sterile neutrinos, left-right symmetry, and $O\hat{1}/2\hat{1}^2\hat{1}^2$ decay. Journal of High Energy Physics, 2022, 2022, .	1.6	5
112	Lepton flavor violation in minimal grand unified type II seesaw models. Physical Review D, 2022, 106, .	1.6	3
113	Type II Dirac seesaw portal to the mirror sector: Connecting neutrino masses and a solution to the strong $C</math>P</math> problem. Physical Review D, 2022, 106, .$	1.6	1
114	Lepton Flavour Violation tests of Type II Seesaw Leptogenesis. Journal of High Energy Physics, 2023, 2023, .	1.6	2
115	Low-mass doubly charged Higgs bosons at the LHC. Physical Review D, 2023, 107, .	1.6	6
116	Exclusive doubly charged Higgs boson pair production in $p</math>p</math> collisions at the LHC. Physical Review D, 2023, 107, .$	1.6	1
117	Electroweak precision tests for triplet scalars. Nuclear Physics B, 2023, 989, 116118.	0.9	7
118	Some new observations for the Georgi-Machacek scenario with triplet Higgs scalars. Physical Review D, 2023, 107, .	1.6	2
119	Lepton-flavor-violating tau decays from triality. Physical Review D, 2023, 107, .	1.6	1
120	Higgs-like particle decays into $\hat{1}^3Z$ and $\hat{1}^3\hat{1}^3$: Fingerprints of some non-supersymmetric models. Nuclear Physics B, 2023, 990, 116154.	0.9	2
121	Testing the scalar triplet solution to CDF's heavy $W</math> problem at the LHC. Physical Review D, 2023, 107, .$	1.6	4