

Andrea Triossi

List of Publications by Year in descending order

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239
papers

8,566
citations

50276

46
h-index

66911

78
g-index

244
all docs

244
docs citations

244
times ranked

8776
citing authors

#	ARTICLE	IF	CITATIONS
1	Muon detection in electron-positron annihilation for muon collider studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1024, 166129.	1.6	1
2	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2022, 82, 290.	3.9	18
3	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 13.	3.9	33
4	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 3.	3.9	33
5	Measurements of $pp \rightarrow ZZ$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200.	3.9	24
6	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
7	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 378.	3.9	40
8	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 629.	3.9	18
9	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 688.	3.9	9
10	Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
11	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
12	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
13	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
14	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
15	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2020, 80, 752.	3.9	23
16	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
17	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
18	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20

#	ARTICLE	IF	CITATIONS
19	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} \$. European Physical Journal C, 2020, 80, 189.	3.9	22
20	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ and 5.02 , ext {TeV} \$. European Physical Journal C, 2020, 80, 534.	3.9	14
21	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} \$. European Physical Journal C, 2020, 80, 43.	3.9	11
22	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} \$. European Physical Journal C, 2020, 80, 1.	3.9	10
23	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ ext {TeV} \$. European Physical Journal C, 2020, 80, 75.	3.9	78
24	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} \$. European Physical Journal C, 2020, 80, 3.	3.9	70
25	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
26	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
27	A multi-dimensional search for new heavy resonances decaying to boosted W , Z , or Z boson pairs in the dijet final state at $\sqrt{s}=13$ ext {TeV} \$. European Physical Journal C, 2020, 80, 237.	3.9	31
28	Study of muon pair production from positron annihilation at threshold energy. Journal of Instrumentation, 2020, 15, P01036-P01036.	1.2	9
29	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, ext {TeV} \$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
30	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ ext {TeV} \$. European Physical Journal C, 2020, 80, 370.	3.9	22
31	Measurement of σ_{t} normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$, ext {TeV} \$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
32	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$, ext {TeV} \$ s = 13 TeV. European Physical Journal C, 2019, 79, 1.	3.9	9
33	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$, ext {TeV} \$. European Physical Journal C, 2019, 79, 702.	3.9	33
34	Measurement of exclusive Upsilon photoproduction from protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$, ext {TeV} \$. European Physical Journal C, 2019, 79, 277.	3.9	35
35	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$, ext {TeV} \$. European Physical Journal C, 2019, 79, 564.	3.9	50
36	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$, ext {TeV} \$ s = 13 TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40

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37	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\{p\}$ collisions at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2019, 79, 773.	3.9	8
38	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 305.	3.9	4
39	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
40	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2019, 79, 421.	3.9	355
41	Search for supersymmetry in events with a photon, jets, \mathcal{E}_T -jets, and missing transverse momentum in proton-proton collisions at $13, \text{TeV}$. European Physical Journal C, 2019, 79, 444.	3.9	11
42	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
43	Measurement of the $\sigma(\text{pp} \rightarrow t\bar{t})$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	3.9	68
44	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 1.	3.9	12
45	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2019, 79, 280.	3.9	29
46	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 364.	3.9	48
47	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 90.	3.9	34
48	Study of the underlying event in top quark pair production in pp collisions at 13 TeV . European Physical Journal C, 2019, 79, 123.	3.9	11
49	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 94.	3.9	20
50	Search for $\sigma(\text{pp} \rightarrow t\bar{t}H)$ production in the $H \rightarrow b\bar{b}$ decay channel with leptonic $t\bar{t}$ decays in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
51	NEDA—Neutron Detector Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 81-86.	1.6	34
52	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
53	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2019, 79, 20.	3.9	18
54	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2019, 79, 893.	3.9	12

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55	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
56	Neutron detection and γ -ray suppression using artificial neural networks with the liquid scintillators BC-501A and BC-537. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 238-245.	1.6	15
57	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
58	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 242.	3.9	10
59	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
60	Measurements of the $\sigma(\text{pp} \rightarrow \text{Z} + \text{jet})$ production cross section and the $\text{BR}(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 165.	3.9	52
61	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
62	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
63	Search for $\text{t} \rightarrow \text{H} + \text{jet}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
64	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
65	Measurement of the top quark mass with lepton+jets final states using $\text{pp} \rightarrow \text{t} + \text{jet} + \text{lepton}$ collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 891.	3.9	34
66	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	57
67	Search for \tilde{Z}^3 resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
68	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
69	Search for third-generation scalar leptoquarks decaying to a top quark and a e, μ, τ lepton at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
70	Measurement of differential cross sections for $\text{pp} \rightarrow \text{Z} + \text{jet}$ Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
71	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $\text{pp} \rightarrow \text{Z} + \text{Z/W} + \text{jet}$ final states at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
72	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17

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73	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
74	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
75	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	25
76	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
77	Measurement of the $\sigma(\text{Z}/\gamma^* \rightarrow \text{e}^+\text{e}^-)$ cross section in pp collisions at $\sqrt{s}=13$ TeV and validation of $\sigma(\text{Z}/\gamma^* \rightarrow \text{e}^+\text{e}^-)$. European Physical Journal C, 2018, 78, 708.	3.9	10
78	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ or $\tau\nu$, $\tau\nu$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
79	Search for a heavy resonance decaying into a Z boson and a vector boson in the $\text{u}\overline{\text{u}}\text{q}\overline{\text{q}}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
80	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $\text{p}\overline{\text{p}}$ collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	3.9	58
81	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=5.02$ TeV PbPb collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
82	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
83	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	17
84	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
85	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
86	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
87	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
88	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
89	Pulse pile-up identification and reconstruction for liquid scintillator based neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 897, 59-65.	1.6	24
90	Measurements of the $\sigma(\text{p}\overline{\text{p}} \rightarrow \text{Z}\text{Z})$ production cross section and the $\text{Z} \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.		3

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91	Measurements of the $\overline{\text{tt}}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
92	Measurement of the $\overline{\text{tt}}$ production cross section using events in the $e\bar{\nu}_e$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
93	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s}=8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
94	Search for electroweak production of charginos in final states with two \tilde{l} , leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
95	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
96	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
97	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
98	A search for new phenomena in pp collisions at $\sqrt{s}=13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	3.9	29
99	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
100	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s}=8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	3.9	52
101	Measurement of the jet mass in highly boosted $\overline{\text{tt}}$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
102	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
103	Search for $\overline{\text{tt}}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
104	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
105	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
106	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
107	Measurement of the semileptonic $\overline{\text{tt}} + \bar{\nu}_\tau$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
108	Measurements of the $pp \rightarrow W\bar{\nu}_\tau Z$ and $pp \rightarrow Z\bar{\nu}_\tau Z$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10

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109	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	3.9	98
110	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
111	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
112	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
113	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
114	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
115	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
116	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	3.9	23
117	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
118	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
119	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	3.9	38
120	Measurement of electroweak-induced production of Wl^3 with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
121	Searches for $W\ell^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
122	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
123	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
124	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
125	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
126	Measurement of the $t\bar{t}\ell$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15

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127	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	5
128	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 578.	3.9	57
129	Search for top quark partners with charge $5/3$ in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
130	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
131	Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
132	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
133	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
134	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
135	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	41
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