

Federico Nguyen

List of Publications by Year in descending order

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381
papers

21,056
citations

8181

76
h-index

14759

127
g-index

391
all docs

391
docs citations

391
times ranked

10042
citing authors

#	ARTICLE	IF	CITATIONS
1	Continued Measurement of the Higgs Boson Mass in $pp \rightarrow \gamma\gamma + b\bar{b}$ Collisions at $\sqrt{s} = 8$ TeV and Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	7.8	1,062
2	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
3	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P06005-P06005.	1.2	410
4	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
5	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
6	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
7	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
8	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
9	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
10	Measurement of the $B \rightarrow \mu^+ \mu^-$ Branching Fraction and Search for $B \rightarrow \mu^+ \mu^- \gamma$ in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2010, 105, 111801.	7.8	282
11	Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data. European Physical Journal C, 2010, 66, 585-686.	3.9	270
12	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
13	Physics with the KLOE-2 experiment at the upgraded DAΦNE. European Physical Journal C, 2010, 68, 619-681.	3.9	222
14	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	1.2	216
15	Measurement of $B \rightarrow \mu^+ \mu^-$ Branching Fraction and Search for $B \rightarrow \mu^+ \mu^- \gamma$ in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2010, 105, 111801.	4.1	194
16	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
17	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191

#	ARTICLE	IF	CITATIONS
19	Constraints on the spin-parity and anomalous HV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
20	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
21	Evidence for Collective Multiparticle Correlations in pPb collisions. Physical Review Letters, 2015, 115, 012301.	7.8	177

22



#	ARTICLE	IF	CITATIONS
37	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l},$ leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
38	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	4.1	116
39	Search for a vector gauge boson in \tilde{l} meson decays with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 251-255.	4.1	116
40	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. Nature Physics, 2014, 10, 557-560.	16.7	114
41	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7.8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	7.8	114
42	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	2.9	113
43	Precision Measurement of \tilde{l} at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	2.9	113



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55	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.1	89
56	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
57	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
58	Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87
59	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511.	4.7	87
60	Data handling, reconstruction, and simulation for the KLOE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 534, 403-433.	1.6	86
61	Evidence of b-jet Quenching in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
62	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
63	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
64	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
65	Reconstruction and identification of \tilde{l}, \tilde{l}^* lepton decays to hadrons and $\tilde{l} \rightarrow \tilde{l}^* + \gamma$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
66	Search for light vector boson production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 459-464.	4.7	84
67	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu^+ \mu^-$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	4.7	83
68	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu^+ \mu^-$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
69	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
70	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
71	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
72	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78

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73	Measurement of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
74	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
75	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	4.1	77
76	Search for Top-Quark Partners with Charge $Q = \pm 2/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76
77	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
78	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
79	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, 012004.	4.7	73
80	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
81	Search for vector-like charge $\pm 2/3$ top quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	72
82	Search for vector-like charge $\pm 2/3$ top quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.		

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91	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
92	Search for a standard model-like Higgs boson in the $pp \rightarrow \gamma\gamma$ channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 100.	4.1	67
93	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	4.1	66
94	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
95	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	64
96	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
97	Spin Correlations and Top-Quark Polarization Using Dilepton Final States in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 100.	7.8	63
98	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
99	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
100	Dalitz plot analysis of $e^+e^- \rightarrow e^+e^-\gamma\gamma$ events at $\sqrt{s} = \sqrt{M_{\phi}^2 + 4m_e^2}$ with the KLOE detector. European Physical Journal C, 2007, 49, 473.	3.9	62
101	Measurement of differential cross sections for Higgs boson production in the diphoton channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 100.	3.9	62
102	Study of the branching ratio and charge asymmetry for the decay $H \rightarrow \gamma\gamma$. European Physical Journal C, 2016, 76, 100.	4.1	61
103	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
104	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	4.7	61
105	Study of the $pp \rightarrow \gamma\gamma$ channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 100.	4.1	60
106	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	60
107	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	7.8	60
108	Horizon 2020 EuPRAXIA design study. Journal of Physics: Conference Series, 2017, 874, 012029.	0.4	60

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109	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
110	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
111	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 371-397.	4.1	57
112	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s} = 8$ TeV and decaying into $\mu^+\mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 398-403.	4.1	57
113	Proton-antiproton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 12-37.	4.1	57
114	Precise measurement of $\sigma(\text{K}^+e^-\nu_e)/\sigma(\text{K}^+\nu_e)$ and study of $\text{K}^+e^-\nu_e$. European Physical Journal C, 2009, 64, 627-636.	4.7	56
115	Measurement of the ratio of inclusive jet cross sections using the anti- k_T algorithm with radius parameters $R = 0.4$ and $R = 0.5$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
116	Event activity dependence of Υ (nS) production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
117	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
118	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
119	Test of CPT and Lorentz symmetry in entangled neutral kaons with the KLOE experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 89-94.	4.1	54
120	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $\mu^+\mu^-$ events with a single lepton, large jet multiplicity, and multiple b jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
121	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	3.9	54
122	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	4.1	53
123	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with $h \rightarrow \tau^+\tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	53
124	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
125	Measurement of the ZZ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 354-360.	4.1	52
126	A global fit to determine the pseudoscalar mixing angle and the gluonium content of the $\hat{1}'$ meson. Journal of High Energy Physics, 2009, 2009, 105-105.	4.7	51

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127	Searches for heavy Higgs bosons in two-Higgs-doublet models and for their decay using multilepton and diphoton final states in pp collisions at 8 TeV. Physical Review D, 2014, 90, .	4.7	51
128	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
129	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
130	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 83-104.	4.1	47
131	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
132	Measurement of $\Gamma(\tau^+ \tau^- \rightarrow \tau^+ \tau^- \gamma) / \Gamma(\tau^+ \tau^- \rightarrow \tau^+ \tau^-)$ and the pseudoscalar mixing angle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 45-51.	4.1	47
133	Measurement of prompt τ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	47
134	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .	4.7	47
135	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .	4.7	47

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145	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	4.1	45
146	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\bar{l}l$, leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
147	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	4.1	44
148	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	4.7	44
149	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	7.8	44
150	Search for lepton flavour violating decays of the Higgs boson to $e\bar{l}$, and $e\bar{l}\gamma$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	3.9	44
151	Study of Z boson production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	4.1	44
152	Measurement of the DAΦNE luminosity with the KLOE detector using large angle Bhabha scattering. European Physical Journal C, 2006, 47, 589.	4.1	44
153	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
154	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	3.9	43
155	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	4.7	43
156	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	4.7	43
157	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	43
158	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	4.1	43
159	Measurement of the form-factor slopes for the decay $B \rightarrow \pi^0 \ell^+ \ell^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	4.1	42
160	Study of the process $e^+e^- \rightarrow e^+e^- \gamma^* \rightarrow e^+e^- \mu^+\mu^-$ in the \bar{l} -meson mass region with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 223-228.	4.1	42
161	Study of W boson production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 565-586.	4.1	42
162			

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163	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{a}^{\sim}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
164	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	41
165	Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the $e\bar{e} \rightarrow t \bar{t} \hat{A}^{\sim}$ channel in proton-proton collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
166	Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
167	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 89, .	4.7	40
168	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $s = 7 \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
169	Search for a new bottomonium state decaying to $\gamma \gamma$. Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the $e\bar{e} \rightarrow t \bar{t} \hat{A}^{\sim}$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
170	Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the $e\bar{e} \rightarrow t \bar{t} \hat{A}^{\sim}$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
171	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
172	Combined search for anomalous pseudoscalar HVV couplings in $e\bar{e} \rightarrow t \bar{t} \hat{A}^{\sim}$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.		

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181	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2016, 116, 052002.	4.1	34
182	Measurement of $\overline{t}t$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 379.	3.9	34
184	Measurements of the $\overline{t}t$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. <i>European Physical Journal C</i> , 2017, 77, 15.	3.9	34
185	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 255-277.	4.1	33
186	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016, 76, 371.	3.9	33
187	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 758, 152-180.	4.1	33
188	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2674.	3.9	32
189	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014, 9, P06009-P06009.	1.2	32
190	Measurements of the $Z Z$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2015, 75, 511.	3.9	32
191	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	31
192	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 66.	3.9	31
193	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	31
194	Measurement of the W-boson helicity in top-quark decays from $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	30
195	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	30
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233	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	4.1	21
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