

# Federico Nguyen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Free-electron lasing with compact beam-driven plasma wakefield accelerator. Nature, 2022, 605, 659-662.	27.8	36
2	Comparison of Main Covid-19 Outbreaks and Interpretation Based on Age Differences. Physics, 2021, 3, 119-127.	1.4	0
3	Undulator design for a laser-plasma-based free-electron-laser. Physics Reports, 2021, 937, 1-73.	25.6	10
4	Scaling of Beam Collective Effects with Bunch Charge in the CompactLight Free-Electron Laser. Photonics, 2020, 7, 125.	2.0	4
5	Free Electron Laser Performance within the EuPRAXIA Facility. Instruments, 2020, 4, 5.	1.8	2
6	Slice collective dynamics, projected emittance deterioration and free electron laser performances detrimental effects. Journal of Plasma Physics, 2020, 86, .	2.1	1
7	EuPRAXIA Conceptual Design Report. European Physical Journal: Special Topics, 2020, 229, 3675-4284.	2.6	64
8	EuPRAXIA – a compact, cost-efficient particle and radiation source. AIP Conference Proceedings, 2019, , .	0.4	7
9	The effect of slippage on the saturated power in short pulse FEL SASE devices. Optik, 2019, 179, 680-683.	2.9	1
10	Status of the Horizon 2020 EuPRAXIA conceptual design study*. Journal of Physics: Conference Series, 2019, 1350, 012059.	0.4	11
11	Eupraxia, A Step Toward A Plasma-Wakefield Based Accelerator With High Beam Quality. Journal of Physics: Conference Series, 2019, 1350, 012068.	0.4	2
12	Slippage effects on FEL saturated power in short pulse SASE devices. , 2019, , .		0
13	Free electron laser and fundamental physics. Progress in Particle and Nuclear Physics, 2018, 99, 1-28.	14.4	6
14	High-quality GeV-scale electron bunches with the Resonant Multi-Pulse Ionization Injection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 1-4.	1.6	9
15	EuPRAXIA@SPARC_LAB Design study towards a compact FEL facility at LNF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 134-138.	1.6	46
16	Generalized Trigonometric Functions and Elementary Applications. International Journal of Applied and Computational Mathematics, 2017, 3, 445-458.	1.6	3
17	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 118, 021802.	7.8	24
18	Measurements of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{jets})$ production cross section in lepton+jets final states in pp collisions at $\sqrt{s} = 8$ TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34

#	ARTICLE	IF	CITATIONS
19	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
20	Evolution Equations Involving Matrices Raised to Non-Integer Exponents. , 2017, , 31-41.		0
21	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
22	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	4.1	35
23	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $1 \pm T$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 403-430.		
24	Free Electron Laser as a tool for fundamental quantum physics. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 336-338.	1.4	0
25	Pseudorapidity dependence of long range two-particle correlations in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2017, 96, .		
26	An optical cavity design for a compact wave-undulator based-FEL. Optics Communications, 2017, 405, 197-200.	2.1	3
27	Horizon 2020 EuPRAXIA design study. Journal of Physics: Conference Series, 2017, 874, 012029.	0.4	60
28	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
29	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the CMS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511.	4.1	7
30	FREE ELECTRON LASERS: PROGRAMS AND CHALLENGES. , 2017, , 192-198.		0
31	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
32	Optical beam with vortices: A first order paraxial analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 865, 13-19.	1.6	0
33	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
34	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
35	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
36	Reconstruction and identification of $\tilde{\tau}$ , lepton decays to hadrons and $\tilde{\tau} \rightarrow \tau + \tilde{\chi}_0^0$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85

#	ARTICLE	IF	CITATIONS
37	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
38	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ -ext TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
39	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
40	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
41	Searches for $R$ -parity-violating supersymmetry in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.7	9
42	Measurement of the integrated and differential production cross sections for high- $p_T$ top quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	24
43	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.1	6
44	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
45	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
46	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
47	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
48	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau$ , leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
49	Measurement of the inelastic cross section in proton-proton lead collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	6
50	$\tilde{\tau}$ (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
51	Search for lepton flavour violating decays of the Higgs boson to $e\tau$ , and $e\mu$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	44
52	Measurement of the inelastic cross section in proton-proton lead collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	4.1	17
53	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	4.1	6
54	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
55	Forwardâ€“backward asymmetry of Drellâ€“Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
56	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and $8$ TeV. Physical Review D, 2016, 94, .	4.7	4
57	Compton Scattered X-Gamma Rays with Orbital Momentum. Physical Review Letters, 2016, 117, 123903.	7.8	46
58	Search for vectorlike charge $\frac{2}{3}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 123903.		

#	ARTICLE	IF	CITATIONS
73	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at s=8TeV. Physics Letters, Section B: Nuclear, Elementary Particle and Combined search for anomalous pseudoscalar H <sub>V</sub> couplings in	4.1	6
74	Combined search for anomalous pseudoscalar H <sub>V</sub> couplings in		

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#	ARTICLE	IF	CITATIONS
91	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
92	Search for the production of an excited bottom quark decaying to $tW$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
93	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1. Measurement of the ratio $R_{\mathrm{B}}$	4.7	16
94			

#	ARTICLE	IF	CITATIONS
109	Measurement of the CP-violating weak phase $\tilde{\Gamma}_s$ and the decay width difference $\tilde{\Gamma}^{\prime\prime}$ 's using the inclusive and differential measurements of the $B \rightarrow 0$ $\tau$ charge asymmetry in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.1	30
110	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.1	30
111	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
112	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
113	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \tilde{\chi}^{\pm} \tilde{\chi}^{\pm}$ jets and $e^+e^- \rightarrow \tilde{\chi}^{\pm} \tilde{\chi}^{\pm}$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
114	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 116, 071801.	7.8	114
115	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}$ leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
116	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
117	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 $\rightarrow \tilde{l}, \tilde{\nu}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	53
118	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.1	13
119	Search for dark Higgsstrahlung in $e^+e^- \rightarrow \tilde{\chi}^{\pm} \tilde{\chi}^{\pm}$ and missing energy events with the KLOE experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 365-372.	4.1	24
120	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to $\tilde{\chi}^{\pm} \tilde{\chi}^{\pm}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 154-175.	4.1	57
121	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
122	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. Physical Review C, 2015, 92, .	2.9	140
123	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
124	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
125	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, .	4.7	73
126	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	5



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127	Measurement of diffractive dissociation cross sections in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	46
128	Constraints on the spin-parity and anomalous couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
129	Search for supersymmetry with photons in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	7
130	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
131	Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	7.8	177
132	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
133	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P08010-P08010.	1.2	168
134	Performance of the CMS missing transverse momentum reconstruction in $pp$ data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
135	Search for a pseudoscalar boson decaying into a $Z$ boson and the 125 GeV Higgs boson in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
136	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
137	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
138	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
139	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
140	Search for heavy Majorana neutrinos in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	68
141	Searches for supersymmetry using the $M_{T2}$ variable in hadronic events produced in $pp$ collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
142	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
143	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
144	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

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145	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	12
146	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-37.	4.7	44
147	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	24
148	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	1
149	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	92
150	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 494-519.		
151	Dark Forces at DAΦNE. <i>EPJ Web of Conferences</i> , 2015, 96, 01008.	0.3	1
152	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. <i>European Physical Journal C</i> , 2015, 75, 212.	3.9	541
153	Measurement of the Higgs boson mass in $pp \rightarrow Z\gamma\gamma$ collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015, 114, 191803.	7.8	1,062
154	Measurement of the $Z\gamma\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	11
155	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. <i>European Physical Journal C</i> , 2015, 75, 186.	3.9	68
156	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 542.	3.9	191
157	Measurements of the $Z\gamma\gamma$ production cross sections in the $2\ell 2\gamma$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2015, 75, 511.	3.9	32
158	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 187-209.	4.1	63
159	Comparison of the $Z\gamma\gamma$ and $Z\gamma$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	6
160	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
161	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 742, 200-224.	4.1	77
162	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 83-104.		

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163	Measurement of the production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	52
164	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	4.1	57
165	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	4.1	16
166	Measurement of the production cross section ratio $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}) / \sigma(\text{pp} \rightarrow \text{b}\bar{\text{b}})$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	4.1	24
167	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
168	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.1	15
169	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	46
170	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 101801.	4.7	90
171	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.	4.7	70
172	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	36
173	Search for Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	3.9	73
174	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	7.8	44
175	Search for supersymmetry using razor variables in events with tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 061801.	7.8	60
176	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
177	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	167
178	Search for supersymmetry using razor variables in events with tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 061801.	4.7	46
179	Search for supersymmetry using razor variables in events with tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 061801.	4.7	46
180	Search for supersymmetry using razor variables in events with tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 061801.	4.7	46

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181	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
182	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
183	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.	3.9	44
184	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
185	Measurement of the ratio of the production cross sections times branching fractions of $B_c \rightarrow \mu^+ \mu^- \gamma$ and $B_c \rightarrow \mu^+ \mu^- \gamma \gamma$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
186	Search for disappearing tracks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
187	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
188	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
189	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
190	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
191	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
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213	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	133
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340	Measurement of the pseudoscalar mixing angle and $K^+ \rightarrow \pi^+ \pi^0$ decay with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 223-228.	4.1	97
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346	Study of the branching ratio and charge asymmetry for the decay $\eta \rightarrow \pi^0 \gamma$ . <a href="http://www.elsevier.com/locate/nuclinst">http://www.elsevier.com/locate/nuclinst</a> $\mathit{altimg}="si1.gif"$ $\mathit{overflow}="scroll"$ $\mathit{xocscs}="http://www.elsevier.com/xml/xocscs/dtd"$ $\mathit{xsls}="http://www.w3.org/2001/XMLSchema"$	4.1	72
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348	First observation of quantum interference in the process $\eta \rightarrow \pi^0 \gamma$ . <a href="http://www.elsevier.com/locate/nuclinst">http://www.elsevier.com/locate/nuclinst</a> $\mathit{altimg}="si1.gif"$ $\mathit{overflow}="scroll"$ $\mathit{xocscs}="http://www.elsevier.com/xml/xocscs/dtd"$ $\mathit{xsls}="http://www.w3.org/2001/XMLSchema"$	4.1	61
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