Vladimir Ivanchenko

List of Publications by Year
in descending order

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442 papers	40,042 citations	25034 57 h-index	2684 193 g-index
444 all docs	444 docs citations	444 times ranked	20658 citing authors

#	Article	IF	Citations
1	Geant4â€”a simulation toolkit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 506, 250-303.	1.6	17,893
2	Geant4 developments and applications. IEEE Transactions on Nuclear Science, 2006, 53, 270-278.	2.0	4,869
3	Recent developments in Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 186-225.	1.6	2,327
4	The BABAR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 479, 1-116.	1.6	1,216
5	Observation of a Narrow Meson State Decaying toDs+Ï€0at a Mass of2.32â€‰â€‰GeV/c2. Physical Review Letters, 2003, 90, 242001.	7.8	603
6	Observation ofCPViolation in theB0Meson System. Physical Review Letters, 2001, 87, 091801.	7.8	426
7	Comparison of <scp>GEANT4</scp> very low energy cross section models with experimental data in water. Medical Physics, 2010, 37, 4692-4708.	3.0	392
8	Study of theBâˆ’â†’J/Ïˆ Kâˆ’Ï€+Ï€âˆ’decay and measurement of theBâˆ’â†’X(3872)Kâˆ’branching fraction. Physical Review D, 2005, 71, .	4.7	375
9	Track structure modeling in liquid water: A review of the Geant4-DNA very low energy extension of the Geant4 Monte Carlo simulation toolkit. Physica Medica, 2015, 31, 861-874.	0.7	373
10	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	292
11	Geant4â€DNA example applications for track structure simulations in liquid water: A report from the Geant4â€DNA Project. Medical Physics, 2018, 45, e722.	3.0	265
12	Measurement of theCPAsymmetry Amplitudesinï»¿2Î²withB0Mesons. Physical Review Letters, 2002, 89, 201802.	7.8	247
13	Summary of experiments with the neutral detector at the e+eâˆ’ storage ring VEPP-2M. Physics Reports, 1991, 202, 99-170.	25.6	204
14	The Binary Cascade. European Physical Journal A, 2004, 21, 407-417.	2.5	184
15	Comparison of Geant4 electromagnetic physics models against the NIST reference data. IEEE Transactions on Nuclear Science, 2005, 52, 910-918.	2.0	160
16	SPECTROSCOPY AT B-FACTORIES USING HARD PHOTON EMISSION. Modern Physics Letters A, 1999, 14, 2605-2614.	1.2	154
17	Study of time-dependentCP-violating asymmetries and flavor oscillations in neutralBdecays at theÎ¥(4S). Physical Review D, 2002, 66, .	4.7	134
18	Measurement ofCP-Violating Asymmetries inB0Decays toCPEigenstates. Physical Review Letters, 2001, 86, 2515-2522.	7.8	125

#	Article	IF	Citations
19	Search for Lepton Flavor Violation in the Decayï„Â±â†'Î¼Â±Î³. Physical Review Letters, 2005, 95, 041802.	7.8	124
20	Precision luminosity measurement in protonâ€“proton collisions at $$sqrt{s} = 13,hbox {TeV}$$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
21	Measurements of Branching Fractions andCP-Violating Asymmetries inB0â†'Ï€+Ï€âˆ',K+Ï€âˆ',K+Kâˆ'Decays. Physical Review Letters, 2002, 89, 281802.	7.8	122
22	Rates, Polarizations, and Asymmetries in Charmless Vector-VectorBMeson Decays. Physical Review Letters, 2003, 91, 171802.	7.8	122
23	Diffusion-controlled reactions modeling in Geant4-DNA. Journal of Computational Physics, 2014, 274, 841-882.	3.8	121
24	e+eâˆ'â†'Ï€+Ï€âˆ'Ï€+Ï€âˆ',K+Kâˆ'Ï€+Ï€âˆ', andK+Kâˆ'K+Kâˆ'cross sections at center-of-mass energies 0.5â€“4.5ÂGeV measured with initial-state radiation. Physical Review D, 2005, 71, .	4.7	119
25	Spherical neutral detector for VEPP-2M collider. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 125-139.	1.6	111
26	GRAS: a general-purpose 3-D Modular Simulation tool for space environment effects analysis. IEEE Transactions on Nuclear Science, 2005, 52, 2294-2299.	2.0	98
27	Improved Measurement ofCPAsymmetries inB0â†'(ccÂ¯)K0(*)Decays. Physical Review Letters, 2005, 94, 161803.	7.8	95
28	Geometry and physics of the Geant4 toolkit for high and medium energy applications. Radiation Physics and Chemistry, 2009, 78, 859-873.	2.8	94
29	Geant4 low energy electromagnetic physics. , 0, , .		93
30	Report on G4â€Med, a Geant4 benchmarking system for medical physics applications developed by the Geant4 Medical Simulation Benchmarking Group. Medical Physics, 2021, 48, 19-56.	3.0	92
31	Modeling Radiation Chemistry in the Geant4 Toolkit. Progress in Nuclear Science and Technology, 2011, 2, 503-508.	0.3	91
32	Recent Improvements in Geant4 Electromagnetic Physics Models and Interfaces. Progress in Nuclear Science and Technology, 2011, 2, 898-903.	0.3	87
33	A Roadmap for HEP Software and Computing R&D for the 2020s. Computing and Software for Big Science, 2019, 3, 1.	2.9	85
34	Performance of the CMS Level-1 trigger in proton-proton collisions at âˆšs = 13 TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
35	Measurements of the Mass and Width of theÎ·cMeson and of anÎ·c(2S)Candidate. Physical Review Letters, 2004, 92, 142002.	7.8	83
36	Measurements of the parameters of theÏ†(1020)resonance through studies of the processese+eâˆ'â†'K+Kâˆ',KSKL,andÏ€+Ï€âˆ'Ï€0. Physical Review D, 2001, 63, .	4.7	82

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37	Geant4 models for simulation of multiple scattering. Journal of Physics: Conference Series, 2010, 219, 032045.	0.4	82
38	Observation of a narrow meson decaying toDs+Ï€0Î³at a mass of2.458GeV/c2. Physical Review D, 2004, 69, .	4.7	80
39	Search for a charged partner of theX(3872)in theBmeson decayBâ†’Xâ¯K,Xâ¯â†’J/ÎˆÏ€â¯Ï€0. Physical Review D, 2005, 71, .	4.7	80
40	Search for production of four top quarks in final states with same-sign or multiple leptons in protonâ€“proton collisions at $$sqrt{s}=13$$ $$,ext {TeV}$$. European Physical Journal C, 2020, 80, 75.	3.9	78
41	Time-integrated and time-dependent angular analyses ofBâ†’J/ÎˆKÏ€: A measurement ofcosï»¿2Î²with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	4.7	77
42	Microdosimetry of electrons in liquid water using the low-energy models of Geant4. Journal of Applied Physics, 2017, 122, .	2.5	74
43	Measurement of the production cross-section of positive pions in the collision of 8.9 GeV/c protons on beryllium. European Physical Journal C, 2007, 52, 29-53.	3.9	73
44	First measurement of elastic, inelastic and total cross-section at $$sqrt{s}=13$$ s = 13 ÂTeV by TOTEM and overview of cross-section data at LHC energies. European Physical Journal C, 2019, 79, 1.	3.9	70
45	Searches for physics beyond the standard model with the $$M_{mathrm {T2}}$$ variable in hadronic final states with and without disappearing tracks in protonâ€“proton collisions at $$sqrt{s}=13,ext {Te}ext {V} $$. European Physical Journal C, 2020, 80, 3.	3.9	70
46	First determination of the $${ho }$$ parameter at $${sqrt{s} = 13}$$ TeV: probing the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2019, 79, 1.	3.9	69
47	Search for Lepton-Flavor Violation in the Decayï„â¯â†’â„“â¯â„“+â„“â¯â„“. Physical Review Letters, 2004, 92, 121801.	7.8	68
48	Study of the processe+eâ¯â†’Ï€+Ï€â¯Ï€0in the energy regionsfrom 0.98 to 1.38 GeV. Physical Review D, 2002, 66, .	4.7	66
49	Geant4 hadronic physics for space radiation environment. International Journal of Radiation Biology, 2012, 88, 171-175.	1.8	66
50	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	66
51	Measurement of the electron energy spectrum and its moments in inclusiveBâ†’Xeî½decays. Physical Review D, 2004, 69, .	4.7	63
52	Measurement of the production cross-section of positive pions in pâ€“Al collisions at. Nuclear Physics B, 2006, 732, 1-45.	2.5	63
53	Validation of recent Geant4 physics models for application in carbon ion therapy. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 2343-2354.	1.4	63
54	Geant4 Monte Carlo simulation of absorbed dose and radiolysis yields enhancement from a gold nanoparticle under MeV proton irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 373, 126-139.	1.4	63

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55	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	62
56	e+eâ^' annihilation into hadrons and exclusive Ï„ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 437-440.	4.1	61
57	Observation of the DecayBâ†'J/ÎˆÎ·Kand Search forX(3872)â†'J/ÎˆÎ·. Physical Review Letters, 2004, 93, 041801.	7.8	59
58	Study of conversion decays Ï†â†'Î·e+eâ^' and Î·â†'Î³e+eâ^' in the experiment with SND detector at VEPP-2M collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 504, 275-281.	4.1	58
59	Determination of the Branching Fraction forBâ†'Xcâ„“Î½Decays and of |Vcb| from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	7.8	58
60	Measurement of branching fractions for exclusiveBdecays to charmonium final states. Physical Review D, 2002, 65, .	4.7	56
61	B meson decays to Î·(â€²)K*, Î·(â€²)Ï, Î·(â€²)Ï€0, Ï‰Ï€0, and Ï†Ï€0. Physical Review D, 2004, 70, .	4.7	56
62	Geant4â€DNA trackâ€structure simulations for gold nanoparticles: The importance of electron discrete models in nanometer volumes. Medical Physics, 2018, 45, 2230-2242.	3.0	56
63	An expression for the Mott cross section of electrons and positrons on nuclei with Z up to 118. Radiation Physics and Chemistry, 2013, 90, 39-66.	2.8	55
64	Experimental study of the processes $e^+e^-ightarrow phi ightarrow eta gamma , pi ^{0}gamma$ at VEPP-2M. European Physical Journal C, 2000, 12, 25-33.	3.9	54
65	Experimental study of the e+eâ^'â†'Ï€0Î³ process in the energy region s=0.60â€“0.97ÂGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 171-178.	4.1	54
66	The HARP detector at the CERN PS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 527-561.	1.6	54
67	Evaluation of early radiation DNA damage in a fractal cell nucleus model using Geant4-DNA. Physica Medica, 2019, 62, 152-157.	0.7	54
68	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
69	Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	54
70	Analysis of e + e â^'â†'Ï€+Ï€â^'Ï€+Ï€â^' and e + e â^'â†'Ï€+Ï€â^'Ï€0Ï€0 processes in the energy range of $$sqrt 2 = 0.98 - 1.38 GeV$$ in experiments with a spherical neutral detector. Journal of Experimental and Theoretical Physics, 2003, 96, 789-800.	0.9	53
71	Measurement of branching fractions andCPand isospin asymmetries forBâ†'K*Î³. Physical Review D, 2004, 70, .	4.7	53
72	Measurement of Branching Fractions and Search forCP-Violating Charge Asymmetries in Charmless Two-BodyBDecays into Pions and Kaons. Physical Review Letters, 2001, 87, 151802.	7.8	51

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73	Monte Carlo simulation of energy-deposit clustering for ions of the same LET in liquid water. Physics in Medicine and Biology, 2012, 57, 209-224.	3.0	51
74	An implementation of discrete electron transport models for gold in the Geant4 simulation toolkit. Journal of Applied Physics, 2016, 120, .	2.5	50
75	Simulation of Auger electron emission from nanometer-size gold targets using the Geant4 Monte Carlo simulation toolkit. Nuclear Instruments & Methods in Physics Research B, 2016, 372, 91-101.	1.4	50
76	J/Ïˆproduction via initial state radiation ine+eâˆ'â†'Ï¼+Ï¼âˆ'Ï³at ane+eâˆ'center-of-mass energy near 10.6 GeV. Physical Review D, 2004, 69, .	4.7	48
77	Investigation of track structure and condensed history physics models for applications in radiation dosimetry on a micro and nano scale in Geant4. Biomedical Physics and Engineering Express, 2018, 4, 024001.	1.2	47
78	The reaction e+e-â†'Ï‰Ï€0 in the cm energy range from 1.0 to 1.4 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 453-457.	4.1	46
79	Elastic differential cross-section measurement at $$sqrt{s}=13$$ÂTeV by TOTEM. European Physical Journal C, 2019, 79, 1.	3.9	46
80	Large-angle production of charged pions with 3â€“12.9 GeV/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>c</mml:mi></mml:mrow></mml:math>incident protons on nuclear targets. Physical Review C, 2008, 77, .	2.9	44
81	Influence of track structure and condensed history physics models of Geant4 to nanoscale electron transport in liquid water. Physica Medica, 2019, 58, 149-154.	0.7	44
82	Measurements of the Branching Fractions of Exclusive CharmlessBMeson Decays withÎ·â€²orÏ‰Mesons. Physical Review Letters, 2001, 87, 221802.	7.8	43
83	Search for the DecayB+â†'K+Î½Î½Â¯. Physical Review Letters, 2005, 94, 101801.	7.8	43
84	Geant4 simulation of production and interaction of muons. IEEE Transactions on Nuclear Science, 2006, 53, 513-519.	2.0	43
85	Fully integrated Monte Carlo simulation for evaluating radiation induced DNA damage and subsequent repair using Geant4-DNA. Scientific Reports, 2020, 10, 20788.	3.3	43
86	Geant4 toolkit for simulation of HEP experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 666-668.	1.6	42
87	Dose point kernels in liquid water: An intra-comparison between GEANT4-DNA and a variety of Monte Carlo codes. Applied Radiation and Isotopes, 2014, 83, 137-141.	1.5	42
88	Measurement of properties of $$ {mathrm{B}}_{mathrm{s}}^0 $$â†' Ï¼+Ï¼âˆ' decays and search for B0â†' Ï¼+Ï¼âˆ' with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	41
89	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	41
90	Study of the DecayB0(BÂ¯0)â†'Ï•Ïâˆ', and Constraints on the Cabibbo-Kobayashi-Maskawa AngleÎ±. Physical Review Letters, 2004, 93, 231801.	7.8	40

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91	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $$sqrt{s} = 13,ext {Te}ext {V} $$. European Physical Journal C, 2021, 81, 378.	3.9	40
92	Limits on the decay-rate difference of neutralBmesons and onCP,T, andCPTviolation inB0B0oscillations. Physical Review D, 2004, 70, .	4.7	39
93	Measurements of Branching Fractions and Time-DependentCP-Violating Asymmetries inBâ†'Î·â€²KDecays. Physical Review Letters, 2005, 94, 191802.	7.8	39
94	Branching Fractions andCPAsymmetries inB0â†'Ï€0Ï€0,B+â†'Ï€+Ï€0, andB+â†'K+Ï€0Decays and Isospin Analysis of theBâ†'Ï€Ï€System. Physical Review Letters, 2005, 94, 181802.	7.8	39
95	Measurement ofCPasymmetries inB0â†'Ï•K0andB0â†'K+Kâ^'Ks0decays. Physical Review D, 2005, 71, .	4.7	38
96	An atomistic geometrical model of the B-DNA configuration for DNAâ€“radiation interaction simulations. Computer Physics Communications, 2013, 184, 2840-2847.	7.5	38
97	Simulating radial dose of ion tracks in liquid water simulated with Geant4-DNA: A comparative study. Nuclear Instruments & Methods in Physics Research B, 2014, 333, 92-98.	1.4	38
98	Investigation of the reaction e+eâ^' â†' Î·Ï€+Ï€â^' in the energy range up to 1.4 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 115-117.	4.1	37
99	Measurement of the Inclusive Charmless Semileptonic Branching Ratio ofBMesons and Determination of|Vub|. Physical Review Letters, 2004, 92, 071802.	7.8	37
100	GEANT4 simulation of electron energy deposition in extended media. Nuclear Instruments & Methods in Physics Research B, 2007, 258, 381-387.	1.4	37
101	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
102	Odderon Exchange from Elastic Scattering Differences between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:math> Data at 1.96ÂTeV and from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inlin	7.8	37
103	Measurement of Branching Fractions and Charge Asymmetries for ExclusiveBDecays to Charmonium. Physical Review Letters, 2005, 94, 141801.	7.8	36
104	Energy deposition in small-scale targets of liquid water using the very low energy electromagnetic physics processes of the Geant4 toolkit. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 158-164.	1.4	36
105	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	36
106	Measurements ofCP-Violating Asymmetries and Branching Fractions inBMeson Decays toÎ·â€²K. Physical Review Letters, 2003, 91, 161801.	7.8	35
107	Observation of a Significant Excess ofÏ€0Ï€0Events inBMeson Decays. Physical Review Letters, 2003, 91, 241801.	7.8	35
108	Measurements of moments of the hadronic mass distribution in semileptonicBdecays. Physical Review D, 2004, 69, .	4.7	35

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109	Electron track structure simulations in a gold nanoparticle using Geant4-DNA. Physica Medica, 2019, 63, 98-104.	0.7	35
110	Measurements of production cross sections of the Higgs boson in the four-lepton final state in protonâ€“proton collisions at $$sqrt{s} = 13,ext {TeV} $$. European Physical Journal C, 2021, 81, 488.	3.9	35
111	Improved Measurement of the Cabibbo-Kobayashi-Maskawa AngleÎ±UsingB0(BÂ¯)â†'Ï•Ïâ^'Decays. Physical Review Letters, 2005, 95, 041805.	7.8	34
112	Validation of Geant4 fragmentation for Heavy Ion Therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 869, 68-75.	1.6	34
113	Measurement of theB+/B0production ratio from theÎ¥(4S)meson usingB+â†'J/Î^K+andB0â†'J/Î^KS0decays. Physical Review D, 2004, 69, .	4.7	33
114	Limits on the Decay-Rate Difference of NeutralBMesons and onCP,T, andCPTViolation inB0BÂ¯0Oscillations. Physical Review Letters, 2004, 92, 181801.	7.8	33
115	Incorporation of the Goudsmitâ€“Saunderson electron transport theory in the Geant4 Monte Carlo code. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3624-3632.	1.4	33
116	PIXE simulation in Geant4. X-Ray Spectrometry, 2011, 40, 135-140.	1.4	33
117	Search for dark matter produced in association with a leptonically decaying $${mathrm{Z}} $$ boson in protonâ€“proton collisions at $$sqrt{s}=13,ext {Te}ext {V} $$. European Physical Journal C, 2021, 81, 13.	3.9	33
118	Search for top squark pair production using dilepton final states in $${ext {p}}{ext {p}}$$ collision data collected at $$sqrt{s}=13,ext {TeV} $$. European Physical Journal C, 2021, 81, 3.	3.9	33
119	Radiative decays of Ï•and Ï‰ mesons. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1989, 42, 511-518.	1.5	32
120	Measurement of the DecaysBâ†'Ï†KandBâ†'Ï†K*. Physical Review Letters, 2001, 87, 151801.	7.8	32
121	Experimental study of Ïâ†'Ï€0Ï€0Î³ and Ï‰â†'Ï€0Ï€0Î³ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 537, 201-210.	4.1	31
122	A multi-dimensional search for new heavy resonances decaying to boosted $$ext{ W }{}{}$$ $$ext{ W }{}{}$$, $$ext{ W }{}{}$$ $$ext{ Z }{}{}$$, or $$ext{ Z }{}{}$$ $$ext{ Z }{}{}$$ boson pairs in the dijet final state at 13A$$ext {Te}ext {V}$$. European Physical Journal C, 2020, 80, 237.	3.9	31
123	Measurement ofB0â^'BÂ¯0Flavor Oscillations in HadronicB0Decays. Physical Review Letters, 2002, 88, 221802.	7.8	29
124	Improved Measurements ofCP-Violating Asymmetry Amplitudes inB0â†'Ï€+Ï€â^'Decays. Physical Review Letters, 2005, 95, 151803.	7.8	29
125	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
126	Elastic differential cross-section $${mathrm{d}}sigma /{mathrm{d}}t$$ at $$sqrt{s}=2.76hbox { TeV}$$ and implications on the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2020, 80, 1.	3.9	29

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127	Search for Strange-Pentaquark Production ine+eâ^'Annihilation ats=10.58â€‰â€‰GeV. Physical Review Letters, 2005, 95, 042002.	7.8	28
128	Measurement of the total width, the electronic width, and the mass of theÎ¥(10580)resonance. Physical Review D, 2005, 72, .	4.7	28
129	Measurement of the production of charged pions by protons on a tantalum target. European Physical Journal C, 2007, 51, 787-824.	3.9	28
130	Local dose enhancement of proton therapy by ceramic oxide nanoparticles investigated with Geant4 simulations. Physica Medica, 2016, 32, 1584-1593.	0.7	28
131	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
132	Measurements of differential Z boson production cross sections in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
133	Investigation of the e+eâ^'â†'Ï‰Ï€0â†'Ï€0Ï€0Î³ reaction in the energy domain near the Ï†-meson. Nuclear Physics B, 2000, 569, 158-182.	2.5	27
134	Observation of the DecayBÂ±â†'Ï€Â±Ï€0, Study ofBÂ±â†'KÂ±Ï€0, and Search forB0â†'Ï€0Ï€0. Physical Review Letters, 2003, 91, 021801.	7.8	27
135	Observation of the decayB0â†'Ï•Îâ^'and measurement of the branching fraction and polarization. Physical Review D, 2004, 69, .	4.7	27
136	Measurements of the branching fractions of chargedBdecays toKÂ±Ï€â^“Ï€Â±final states. Physical Review D, 2004, 70, .	4.7	27
137	Measurement of theB0â†'K2*(1430)0Î³andB+â†'K2*(1430)+Î³branching fractions. Physical Review D, 2004, 70, .	4.7	27
138	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at â^šs = 13 TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
139	Search for new neutral Higgs bosons through the $$ mathrm{H}o mathrm{ZA}o {ell}^{+}{ell}^{-}mathrm{b}overline{mathrm{b}} $$ process in pp collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
140	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
141	Measurement of Branching Fractions and Charge Asymmetries inBÂ±â†'Ï€Â±Ï€0andBÂ±â†'Ï0Ï€Â±Decays, and Search forB0â†'Ï0Ï€0. Physical Review Letters, 2004, 93, 051802.	7.8	26
142	Search for the decayB0â†'ppÂ¯. Physical Review D, 2004, 69, .	4.7	26
143	Measurement of theB0â†'D*âˆ'Ds*+andDs+â†'Ï•Ï€+branching fractions. Physical Review D, 2005, 71, .	4.7	26
144	Progress in hadronic physics modelling in Geant4. Journal of Physics: Conference Series, 2009, 160, 012073.	0.4	26

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