

E P Hartouni

List of Publications by Year in descending order

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9786

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citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of Hadrons with Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 88, 022301.	7.8	735
2	Identified charged particle spectra and yields in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	665
3	Elliptic Flow of Identified Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 182301.	7.8	627
4	Suppressed π^0 Production at Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 072301.	7.8	514
5	Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, .	7.8	489
6	Observation of Muon Neutrino Disappearance with the MINOS Detectors in the NuMI Neutrino Beam. Physical Review Letters, 2006, 97, 191801.	7.8	430
7	J/ψ Production versus Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 232301.	7.8	430
8	Absence of Suppression in Particle Production at Large Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2003, 91, 072303.	7.8	366
9	Enhanced Production of Direct Protons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2010, 104, 132301.	7.8	319
10	Scaling Properties of Azimuthal Anisotropy in Au+Au and Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 162301.	7.8	307
11	Dense-Medium Modifications to Jet-Induced Hadron Pair Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 052301.	7.8	264
12	Nuclear Modification of Electron Spectra and Implications for Heavy Quark Energy Loss in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.	7.8	264
13	Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.	2.9	256
14	Suppression Pattern of Neutral Pions at High Transverse Momentum in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.	7.8	255
15	Detailed measurement of J/ψ production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.	2.9	254
16	Midrapidity Neutral-Pion Production in Proton-Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2003, 91, 241803.	7.8	249
17	Measurements of Higher Order Flow Harmonics in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 252301.	7.8	249
18	Centrality Dependence of ϕ , K^* , p , and p^0 Production from $\sqrt{s_{NN}}=130$ GeV Au + Au Collisions at RHIC. Physical Review Letters, 2002, 88, 242301.	7.8	244

#	ARTICLE	IF	CITATIONS
19	Centrality Dependence of Charged Particle Multiplicity in Au-Au Collisions at $\sqrt{s_{NN}}=130\text{GeV}$. Physical Review Letters, 2001, 86, 3500-3505.	7.8	238
20	High- p_T charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review C, 2004, 69, .	2.9	233
21	Burning plasma achieved in inertial fusion. Nature, 2022, 601, 542-548.	27.8	233
22	Centrality Dependence of Direct Photon Production in $\sqrt{s_{NN}}=200\text{GeV}$ Au+Au Collisions. Physical Review Letters, 2005, 94, 232301.	7.8	219
23	Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dE_T/d\eta$ and $dN/d\eta$ in heavy ion collisions at midrapidity. Physical Review C, 2005, 71, .	2.9	214
24	Scaling Properties of Proton and Antiproton Production in $\sqrt{s_{NN}}=200\text{GeV}$ Au+Au Collisions. Physical Review Letters, 2003, 91, 172301.	7.8	209
25	Measurement of High- p_T Single Electrons from Heavy-Flavor Decays in $p+p$ Collisions at $\sqrt{s}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	7.8	200
26	Heavy-quark production and energy loss and flow of heavy quarks in Au + Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	2.9	196
27	Measurement of neutral mesons in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	4.7	189
28	Observation of Direct-Photon Collective Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	7.8	184
29	Flow Measurements via Two-Particle Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	2.9	170
30	Flow Measurements via Two-Particle Azimuthal Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=130\text{GeV}$. Physical Review Letters, 2002, 89, 212301.	7.8	163
31	Inclusive cross section and double helicity asymmetry for J/ψ production in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2006, 97, 252002.	4.7	163
32	J/ψ Production versus Transverse Momentum and Rapidity in $p+p$ Collisions at $\sqrt{s}=200\text{GeV}$. Physical Review Letters, 2007, 98, 232002.	7.8	161
33	Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. Physical Review Letters, 2004, 93, 152302.	7.8	158
34	Single identified hadron spectra from $\sqrt{s_{NN}}=130\text{GeV}$ Au+Au collisions. Physical Review C, 2004, 69, .	2.9	154
35	Measurement of Transverse Single-Spin Asymmetries for Midrapidity Production of Neutral Pions and Charged Hadrons in Polarized $p+p$ Collisions at $\sqrt{s}=200\text{GeV}$. Physical Review Letters, 2005, 95, 202001.	7.8	144
36	Measurement of Single Electrons and Implications for Charm Production in Au+Au Collisions at $\sqrt{s_{NN}}=130\text{GeV}$. Physical Review Letters, 2002, 88, 192303.	7.8	143

#	ARTICLE	IF	CITATIONS
37	Centrality Dependence of ϕ and ψ Production at Large Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2007, 98, . Measurements of Elliptic and Triangular Flow in High-Multiplicity Au+Au Collisions at RHIC. Physical Review Letters, 2007, 98, . $\langle v_2 \rangle = \langle v_3 \rangle$	7.8	140
38	Centrality Dependence of Charm Production from a Measurement of Single Electrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 082301.	7.8	140
39	Transverse-Mass Dependence of Two-Pion Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 88, 192302.	7.8	136
40	Measurement of the Midrapidity Transverse Energy Distribution from $\sqrt{s_{NN}}=130$ GeV Au+Au Collisions at RHIC. Physical Review Letters, 2001, 87, 052301.	7.8	134
41	Centrality Dependence of Charm Production from a Measurement of Single Electrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 082301.	7.8	126
42	Study of muon neutrino disappearance using the Fermilab Main Injector neutrino beam. Physical Review D, 2008, 77, .	4.7	126
43	Measurement of Direct Photon Production in p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	123
44	J/ψ Production and Nuclear Effects for d+Au and p+p Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 012304.	7.8	121
45	Common Suppression Pattern of ϕ and Ω Mesons at High Transverse Momentum in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 202301.	7.8	117
46	Neutron spectrometry – An essential tool for diagnosing implosions at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D308.	1.3	117
47	First High-Convergence Cryogenic Implosion in a Near-Vacuum Hohlraum. Physical Review Letters, 2015, 114, 175001.	7.8	117
48	Measurement of ϕ and Λ^0 Particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.	7.8	112
49	Centrality dependence of low-momentum direct-photon production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	2.9	112
50	Measurement of neutrino velocity with the MINOS detectors and NuMI neutrino beam. Physical Review D, 2007, 76, .	4.7	111
51	Production of ϕ and Λ^0 Particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.	7.8	109
52	Elliptic Flow for ϕ and Λ^0 Particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.	7.8	108
53	Mesons and (Anti)deuterons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	2.9	106
54	Cold Nuclear Matter Effects on J/ψ Yields as a Function of Rapidity and Nuclear Geometry in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	104

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55	Neutral pion production with respect to centrality and reaction plane in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	104
56	Production of mesons at midrapidity in Au+Au collisions at relativistic energies. Physical Review C, 2005, 72, .	7.8	98
57	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 77, .	2.9	97
58	Production of mesons at midrapidity in Au+Au collisions at relativistic energies. Physical Review C, 2005, 72, .	2.9	95
59	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 77, .	2.9	93
60	Analysis of the neutron time-of-flight spectra from inertial confinement fusion experiments. Journal of Applied Physics, 2015, 118, .	2.5	92
61	High-energy scaling of Compton scattering light sources. Physical Review Special Topics: Accelerators and Beams, 2005, 8, .	1.8	90
62	Nuclear effects on hadron production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV revealed by comparison with p+p data. Physical Review C, 2006, 74, .	2.9	90
63	Pion suppression and azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	87
64	Elliptic and Hexadecapole Flow of Charged Hadrons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	7.8	87
65	Systematic studies of elliptic flow measurements in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	7.8	87
66	Inclusive cross section and double helicity asymmetry for meson production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	85
67	Inclusive cross section and double helicity asymmetry for meson production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	82
68	Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 092301.	4.7	81
69	Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 092301.	7.8	80
70	Event-by-event fluctuations in mean p_T and mean T in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2002, 66, .	2.9	79
71	Jet properties from dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2006, 74, .	4.7	78
72	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	78

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73	modification factors of mesons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 082302.	2.9	75
74	PLEIADES: A picosecond Compton scattering x-ray source for advanced backlighting and time-resolved material studies. Physics of Plasmas, 2004, 11, 2857-2864.	1.9	74
75	Nuclear Modification Factors for Hadrons at Forward and Backward Rapidities in Deuteron-Gold Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 082302.	7.8	73
76	Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 94, .	2.9	73
77	Publisher's Note: Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dN_{ch}/d\eta$ in heavy ion collisions at midrapidity [Phys. Rev. C 71, 034908 (2005)]. Physical Review C, 2005, 71, .	2.9	72
78	Gluon-Spin Contribution to the Proton Spin from the Double-Helicity Asymmetry in Inclusive ρ^0 Production in Polarized p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2009, 103, 012003.	7.8	72
79	Onset of ρ^0 Suppression Studied in Cu+Cu Collisions at $\sqrt{s_{NN}}=22.4, 62.4,$ and 200 GeV. Physical Review Letters, 2008, 101, 162301.	7.8	70
80	Measurement of Bottom Versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 022301.	7.8	70
81	Measurement of the p_T dependence of the nuclear modification factor R_{pA} in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2012, 85, .	4.7	70
82	Deuteron and Antideuteron Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 122302.	7.8	69
83	Transverse energy distributions at midrapidity in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2014, 89, .	2.9	67
84	Net Charge Fluctuations in Au+Au Interactions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 082301.	3.0	66
85	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65
86	Deviation from quark number scaling of the anisotropy parameter v_2 of pions, kaons, and protons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 051802.	2.9	64
87	J/ψ Production from Proton-Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 051802.	7.8	63
88	Charged hadron multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 051802.	2.9	63
89	Measurement of transverse single-spin asymmetries for midrapidity and forward-rapidity production of hadrons in polarized Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2014, 90, .	4.7	63
90	Measurement of the p_T dependence of the nuclear modification factor R_{pA} in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2014, 90, .	4.7	63

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91	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 77, .	2.9	62
92	Cryogenic tritium-hydrogen-deuterium and deuterium-tritium layer implosions with high density carbon ablaters in near-vacuum hohlraums. Physics of Plasmas, 2015, 22, 062703.	1.9	62
93	Transition in Yield and Azimuthal Shape Modification in Dihadron Correlations in Relativistic Heavy Ion Collisions. Physical Review Letters, 2010, 104, 252301.	7.8	61
94	π^0 production in Au-Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	60
95	Measurement of single electron event anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	60
96	Photon-hadron jet correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	60
97	First observations of separated atmospheric $\mu^+\mu^-$ events in the MINOS detector. Physical Review D, 2006, 73, .	4.7	59
98	Jet structure of baryon excess in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	58
99	Experimental characterization of an ultrafast Thomson scattering x-ray source with three-dimensional time and frequency-domain analysis. Physical Review Special Topics: Accelerators and Beams, 2004, 7, .	1.8	57
100	Saturation of Azimuthal Anisotropy in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 232302.	7.8	57
101	Assembly of High-Areal-Density Deuterium-Tritium Fuel from Indirectly Driven Cryogenic Implosions. Physical Review Letters, 2012, 108, 215005.	7.8	57
102	System Size and Energy Dependence of Jet-Induced Hadron Pair Correlation Shapes in Cu+Cu and Au+Au Collisions at $\sqrt{s_{NN}}=200$ and 62.4 GeV. Physical Review Letters, 2007, 98, 232302.	7.8	56
103	Jet structure from dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 73, .	2.9	53
104	Double Helicity Asymmetry in Inclusive Midrapidity π^0 Production for Polarized p+p Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 202002.	7.8	52
105	High- p_T π^0 production with respect to the reaction plane in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2009, 80, .	2.9	51
106	Hotspot conditions achieved in inertial confinement fusion experiments on the National Ignition Facility. Physics of Plasmas, 2020, 27, .	1.9	50
107	Indications of flow near maximum compression in layered deuterium-tritium implosions at the National Ignition Facility. Physical Review E, 2016, 94, 021202.	2.1	49
108	Measurement of Identified π^0 and Inclusive Photon Second-Harmonic Parameter v_2 and Implications for Direct Photon Production in $\sqrt{s_{NN}}=200$ GeV Au+Au. Physical Review Letters, 2006, 96, 032302.	7.8	48

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109	Performance of High-Convergence, Layered DT Implosions with Extended-Duration Pulses at the National Ignition Facility. <i>Physical Review Letters</i> , 2013, 111, 215001.	7.8	47
110	Dynamic high energy density plasma environments at the National Ignition Facility for nuclear science research. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 033003.	3.6	47
111	Single Electrons from Heavy-Flavor Decays in $p+p$ Collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	7.8	46
112	Measurement of the atmospheric muon charge ratio at TeV energies with the MINOS detector. <i>Physical Review D</i> , 2007, 76, .	4.7	46
113	Azimuthal Drive Asymmetry in Inertial Confinement Fusion Implosions on the National Ignition Facility. <i>Physical Review Letters</i> , 2020, 124, 145002.	7.8	44
114	Cross section and double helicity asymmetry for mesons and their comparison to production in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	4.7	43
115	Production of mesons in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	7.8	40
116	A 3D dynamic model to assess the impacts of low-mode asymmetry, aneurysms and mix-induced radiative loss on capsule performance across inertial confinement fusion platforms. <i>Nuclear Fusion</i> , 2019, 59, 032009.	3.5	40
117	Flash radiography with 24 GeV protons. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	38
118	Midrapidity direct-photon production in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2005, 71, .	4.7	37
119	Source Breakup Dynamics in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	7.8	37
120	Production of mesons in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	2.9	37
121	Direct photon production in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	2.9	37
122	Evidence for a Long-Range Component in the Pion Emission Source in $Au+Au$ Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2007, 98, 132301.	7.8	36
123	Pion production by protons on a thin beryllium target at 6.4, 12.3, and 17.5 GeV incident proton momenta. <i>Physical Review Letters</i> , 2007, 98, 132301.	2.9	36
124	Direct photon production in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2006, 96, 032001.	4.7	36
125	Charged Kaon Interferometric Probes of Space-Time Evolution in $Au+Au$ Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2009, 103, 142301.	7.8	35
126	Measuring the absolute deuterium-tritium neutron yield using the magnetic recoil spectrometer at OMEGA and the NIF. <i>Review of Scientific Instruments</i> , 2012, 83, 10D912.	1.3	35

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127	Measurement of the higher-order anisotropic flow coefficients for identified hadrons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2016, 93, .	2.9	34
128	Using multiple neutron time of flight detectors to determine the hot spot velocity. Review of Scientific Instruments, 2018, 89, 101138.	1.3	34
129	Transverse momentum dependence of meson suppression in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2016, 93, .	2.9	33
130	Measurement of the transverse momentum dependence of meson suppression in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2016, 93, .	4.7	31
131	Thermal Temperature Measurements of Inertial Fusion Implosions. Physical Review Letters, 2018, 121, 085001.	7.8	31
132	Measurement of transverse single-spin asymmetries for Λ production in polarized p+p collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	30
133	Nuclear-modification factor for open-heavy-flavor production at forward rapidity in Cu+Cu collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 86, .	2.9	30
134	Azimuthal Angle Correlations for Rapidity Separated Hadron Pairs in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2006, 96, 222301.	7.8	28
135	Plasma stopping-power measurements reveal transition from non-degenerate to degenerate plasmas. Nature Physics, 2020, 16, 432-437.	16.7	28
136	High- $\sqrt{s_{NN}}$ direct photon and π^0 triggered azimuthal jet correlations and measurement of k_T for isolated direct photons in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	27
137	Experimental results of radiation-driven, layered deuterium-tritium implosions with adiabat-shaped drives at the National Ignition Facility. Physics of Plasmas, 2016, 23, .	1.9	27
138	Impact of temperature-velocity distribution on fusion neutron peak shape. Physics of Plasmas, 2017, 24, .	1.9	27
139	Time-Resolved Fuel Density Profiles of the Stagnation Phase of Indirect-Drive Inertial Confinement Implosions. Physical Review Letters, 2020, 125, 155003.	7.8	27
140	Production of η mesons at large transverse momenta in p+pd+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2007, 75, .	2.9	26
141	Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2007, 76, .	2.9	26
142	A fused silica Cherenkov radiator for high precision time-of-flight measurement of DT \hat{I}^3 and neutron spectra (invited). Review of Scientific Instruments, 2018, 89, 101120.	1.3	26
143	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2019, 123, 022301.	7.8	26

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145	Improved measurement of double helicity asymmetry in inclusive midrapidity π^0 production for polarized p+pcollisions at $\sqrt{s}=200$ GeV. Physical Review D, 2006, 73, .	4.7	25
146	Measurement of $\langle \mathbf{K} \cdot \mathbf{S} \rangle$ at $\sqrt{s}=200$ GeV. Physical Review C, 2014, 90, .	4.7	24
147	Measurement of $\langle \mathbf{K} \cdot \mathbf{S} \rangle$ at $\sqrt{s}=200$ GeV. Physical Review C, 2014, 90, .	4.7	24
148	Using multiple secondary fusion products to evaluate fuel $\langle i \rangle$, electron temperature, and mix in deuterium-filled implosions at the NIF. Physics of Plasmas, 2015, 22, .	2.9	23
149	Using multiple secondary fusion products to evaluate fuel $\langle i \rangle$, electron temperature, and mix in deuterium-filled implosions at the NIF. Physics of Plasmas, 2015, 22, .	1.9	23
150	Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2008, 77, .	2.9	22
151	Visualizing deceleration-phase instabilities in inertial confinement fusion implosions using an enhanced self-emission technique at the National Ignition Facility. Physics of Plasmas, 2018, 25, 054502.	1.9	22
152	Inclusive soft pion production from 12.3 and 17.5 GeV/c protons on Be, Cu, and Au. Physical Review C, 2002, 65, .	2.9	21
153	Measuring centrality with slow protons in proton-nucleus collisions at 18 GeV/c. Physical Review C, 1999, 60, .	2.9	20
154	Charge-separated atmospheric neutrino-induced muons in the MINOS far detector. Physical Review D, 2007, 75, .	4.7	20
155	Azimuthal-Angle Dependence of Charged-Pion-Interferometry Measurements with Respect to Second- and Third-Order Event Planes in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2014, 112, 222301.	7.8	20
156	Development of an inertial confinement fusion platform to study charged-particle-producing nuclear reactions relevant to nuclear astrophysics. Physics of Plasmas, 2017, 24, .	1.9	20
157	Observation of Hydrodynamic Flows in Imploding Fusion Plasmas on the National Ignition Facility. Physical Review Letters, 2021, 127, 125001.	7.8	20
158	The MINOS scintillator calorimeter system. IEEE Transactions on Nuclear Science, 2002, 49, 861-863.	2.0	19
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