E P Hartouni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2331893/publications.pdf

Version: 2024-02-01

237	18,478	9786	12946
papers	citations	73 h-index	131 g-index

242	242	242	7779
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Burning plasma achieved in inertial fusion. Nature, 2022, 601, 542-548.	27.8	233
2	Experimental quantification of the impact of heterogeneous mix on thermonuclear burn. Physics of Plasmas, 2022, 29, .	1.9	7
3	Magnetized ICF implosions: Scaling of temperature and yield enhancement. Physics of Plasmas, 2022, 29, .	1.9	15
4	First graded metal pushered single shell capsule implosions on the National Ignition Facility. Physics of Plasmas, 2022, 29, .	1.9	4
5	Neutron backscatter edges as a diagnostic of burn propagation. Physics of Plasmas, 2022, 29, 062707.	1.9	2
6	Magnetized ICF Implosions: Scaling of Temperature and Yield Enhancement. , 2022, , .		0
7	Optimal choice of multiple line-of-sight measurements determining plasma hotspot velocity at the National Ignition Facility. Review of Scientific Instruments, 2021, 92, 023513.	1.3	5
8	The five line-of-sight neutron time-of-flight (nToF) suite on the National Ignition Facility (NIF). Review of Scientific Instruments, 2021, 92, 023516.	1.3	11
9	Proof-of-concept of a neutron time-of-flight ellipsoidal detector. Review of Scientific Instruments, 2021, 92, 043555.	1.3	1
10	Real-time nuclear activation detectors for measuring neutron angular distributions at the National Ignition Facility (invited). Review of Scientific Instruments, 2021, 92, 043527.	1.3	9
11	Fuel convergence sensitivity in indirect drive implosions. Physics of Plasmas, 2021, 28, 042705.	1.9	11
12	Interpolating individual line-of-sight neutron spectrometer measurements onto the â€œskyâ€•at the National Ignition Facility (NIF). Review of Scientific Instruments, 2021, 92, 043512.	1.3	5
13	Three dimensional low-mode areal-density non-uniformities in indirect-drive implosions at the National Ignition Facility. Physics of Plasmas, 2021, 28, .	1.9	12
14	Understanding the effects of neutron scattering for neutron-yield-isotropy measurements at the NIF. Review of Scientific Instruments, 2021, 92, 053543.	1.3	1
15	Three-dimensional diagnostics and measurements of inertial confinement fusion plasmas. Review of Scientific Instruments, 2021, 92, 053526.	1.3	5
16	Observation of Hydrodynamic Flows in Imploding Fusion Plasmas on the National Ignition Facility. Physical Review Letters, 2021, 127, 125001.	7.8	20
17	Understanding asymmetries using integrated simulations of capsule implosions in low gas-fill hohlraums at the National Ignition Facility. Plasma Physics and Controlled Fusion, 2021, 63, 025012.	2.1	14
18	Total fusion yield measurements using deuteriumâ€“tritium gamma rays. Physics of Plasmas, 2021, 28, 102702.	1.9	5

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19	Time-Resolved Fuel Density Profiles of the Stagnation Phase of Indirect-Drive Inertial Confinement Implosions. Physical Review Letters, 2020, 125, 155003.	7.8	27
20	Symmetry tuning and high energy coupling for an Al capsule in a Au rugby hohlraum on NIF. Physics of Plasmas, 2020, 27, .	1.9	5
21	Measurement of jet-medium interactions via direct photon-hadron correlations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><m.	2.9	2
22	Measurement of hydrodynamic instability growth during the deceleration of an inertial confinement fusion implosion. High Energy Density Physics, 2020, 37, 100817.	1.5	1
23	Hotspot conditions achieved in inertial confinement fusion experiments on the National Ignition Facility. Physics of Plasmas, 2020, 27, .	1.9	50
24	Plasma stopping-power measurements reveal transition from non-degenerate to degenerate plasmas. Nature Physics, 2020, 16, 432-437.	16.7	28
25	Azimuthal Drive Asymmetry in Inertial Confinement Fusion Implosions on the National Ignition Facility. Physical Review Letters, 2020, 124, 145002.	7.8	44
26	A generalized forward fit for neutron detectors with energy-dependent response functions. Journal of Applied Physics, 2020, 128, .	2.5	6
27	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2019, 123, 022301.	7.8	26
28	Pushered single shell implosions for mix and radiation trapping studies using high-Z layers on National Ignition Facility. Physics of Plasmas, 2019, 26, .	1.9	12
29	Neutron Time-of-Flight Measurements of Charged-Particle Energy Loss in Inertial Confinement Fusion Plasmas. Physical Review Letters, 2019, 123, 165001.	7.8	8
30	Measurement of two-particle correlations with respect to second- and third-order event planes in Au + Au collisions at sNN=200 GeV. Physical Review C, 2019, 99, .	2.9	12
31	Fissile material detection using neutron time-correlations from photofission. AIP Advances, 2019, 9, 025011.	1.3	2
32	Kinetic effects on neutron generation in moderately collisional interpenetrating plasma flows. Physics of Plasmas, 2019, 26, .	1.9	12
33	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. Nuclear Fusion, 2019, 59, 032009.	3.5	40
34	Dynamic high energy density plasma environments at the National Ignition Facility for nuclear science research. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 033003.	3.6	47
35	Visualizing deceleration-phase instabilities in inertial confinement fusion implosions using an â€œenhanced self-emissionâ€•technique at the National Ignition Facility. Physics of Plasmas, 2018, 25, 054502.	1.9	22
36	Optimization of a high-yield, low-areal-density fusion product source at the National Ignition Facility with applications in nucleosynthesis experiments. Physics of Plasmas, 2018, 25, .	1.9	10

#	Article	IF	Citations
37	Ab initio response functions for Cherenkov-based neutron detectors. Review of Scientific Instruments, 2018, 89, 10I136.	1.3	11
38	Low-momentum direct-photon measurement in Cu + Cu collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi></mml:msub></mml:msqrt><mml:mrow><mml:mml width="4pt" /><mml:mi>GeV</mml:mi></mml:mrow></mml:math>. Physical Review C, 2018, 98, .	2.9	12
39	Uncertainty analysis of response functions and Î³-backgrounds on Tion and t0 measurements from Cherenkov neutron detectors at the National Ignition Facility (NIF). Review of Scientific Instruments, 2018, 89, 10I140.	1.3	6
40	Characterization of photodetector temporal response for neutron time-of-flight (nToF) diagnostics at the National Ignition Facility. Review of Scientific Instruments, 2018, 89, 10I135.	1.3	5
41	Using multiple neutron time of flight detectors to determine the hot spot velocity. Review of Scientific Instruments, 2018, 89, 10I138.	1.3	34
42	Testing a Cherenkov neutron time-of-flight detector on OMEGA. Review of Scientific Instruments, 2018, 89, 10I122.	1.3	7
43	Using a 2-shock 1D platform at NIF to measure the effect of convergence on mix and symmetry. Physics of Plasmas, 2018, 25, 102702.	1.9	6
44	A fused silica Cherenkov radiator for high precision time-of-flight measurement of DT Î³ and neutron spectra (invited). Review of Scientific Instruments, 2018, 89, 10I120.	1.3	26
45	Development of new platforms for hydrodynamic instability and asymmetry measurements in deceleration phase of indirectly driven implosions on NIF. Physics of Plasmas, 2018, 25, 082705.	1.9	15
46	Thermal Temperature Measurements of Inertial Fusion Implosions. Physical Review Letters, 2018, 121, 085001.	7.8	31
47	Impact of temperature-velocity distribution on fusion neutron peak shape. Physics of Plasmas, 2017, 24, .	1.9	27
48	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
49	Measurements of e+eâ¯ pairs from open heavy flavor in p+p and d+A collisions at sNN=200 GeV. Physical Review C, 2017, 96, .	2.9	11
50	Nuclear Diagnostics at the National Ignition Facility, 2013-2015. Journal of Physics: Conference Series, 2016, 717, 012117.	0.4	3
51	Uncertainty analysis of signal deconvolution using a measured instrument response function. Review of Scientific Instruments, 2016, 87, 11D841.	1.3	3
52	High-resolution measurements of the DT neutron spectrum using new CD foils in the Magnetic Recoil neutron Spectrometer (MRS) on the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D816.	1.3	7
53	Calibration of scintillation-light filters for neutron time-of-flight spectrometers at the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D802.	1.3	1
54	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

#	Article	IF	Citations
55	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
56	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml 200 GeV. Physical Review C, 2016, 93, .	2.9	78
57	Scaling properties of fractional momentum loss of high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>p</mml:mi><mml:mi>T</mml:mi></mml:msub></mml:ma in nucleus-nucleus collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi>	2.9	14
58	Measurement of the higher-order anisotropic flow coefficients for identified hadrons in Au + Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml width="0.28em" /><mml:mi mathvariant="bold">GeV</mml:mi></mml:mrow></mml:math>. Physical Review C, 2016, 93, .	2.9	34
59	Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml GeV. Physical Review C, 2016, 94, .	2.9	73
60	Design of a north pole Neutron Time-of-Flight (NTOF) system at NIF. Journal of Physics: Conference Series, 2016, 717, 012087.	0.4	5
61	Systematic study of azimuthal anisotropy in CuÂ+ÂCu and AuÂ+ÂAu collisions atsNN=62.4and 200ÂGeV. Physical Review C, 2015, 92, .	2.9	19
62	Systematic study of charged-pion and kaon femtoscopy in Au + Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="italic">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:mrow></mml:m Physical Review C, 2015, 92, .	2.9	16
63	Low-momentum direct-photon production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:m at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>	2.9	112
64	Measurements of Elliptic and Triangular Flow in High-Multiplicity<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo><mml:mi>Au</mml:mi> at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:	7.8	140
65	Using multiple secondary fusion products to evaluate fuel ÏR, electron temperature, and mix in deuterium-filled implosions at the NIF. Physics of Plasmas, 2015, 22, .	1.9	23
66	Analysis of the neutron time-of-flight spectra from inertial confinement fusion experiments. Journal of Applied Physics, 2015, 118, .	2.5	92
67	First High-Convergence Cryogenic Implosion in a Near-Vacuum Hohlraum. Physical Review Letters, 2015, 114, 175001.	7.8	117
68	Cryogenic tritium-hydrogen-deuterium and deuterium-tritium layer implosions with high density carbon ablators in near-vacuum hohlraums. Physics of Plasmas, 2015, 22, 062703.	1.9	62
69	Measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î¥</mml:mi><mml:mo>(</mml:mo><mml:mn>1</mml:mn>	2.9	34
70	Heavy-flavor electron-muon correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:m at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml Physical Review C, 2014, 89, .	2.9	14
71	Azimuthal-Angle Dependence of Charged-Pion-Interferometry Measurements with Respect to Second- and Third-Order Event Planes inAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2014, 112, 222301.	7.8	20
72	Measurement of transverse-single-spin asymmetries for midrapidity and forward-rapidity production of hadrons in polarized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:math>and 62.4ÂGeV. Physical Review D, 2014, 90, .	4.7	63

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73	Measurement of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi>K</mml:mi><mml:mi>S</mml:mi><mml:mn>0</mml:mn> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>K</mml:mi><mml:mrow><mml:mo>*</mml:mo> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi><mml:mo> width="0.16em" /><mml:mi>d</mml:mi><mml:mi>. Physical Review C, 2014, 90, .	2.9	25
74	Measurement of charged pion production yields off the NuMI target. Physical Review D, 2014, 90, .	4.7	18
75	Transverse energy distributions at midrapidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi> and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi> </mml:math> xm. Physical Review C, 2014, 89, .	2.9	67
76	System-size dependence of open-heavy-flavor production in nucleus-nucleus collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi></mml:msub></mml:msqrt></mml:mrow><mml Physical Review C, 2014, 90, .	2.9	18
77	Performance of High-Convergence, Layered DT Implosions with Extended-Duration Pulses at the National Ignition Facility. Physical Review Letters, 2013, 111, 215001.	7.8	47
78	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65
79	Azimuthal anisotropy of Ï€0andÎ·mesons in AuÂ+ÂAu collisions atsNN=200GeV. Physical Review C, 2013, 88, .	2.9	16
80	Medium Modification of Jet Fragmentation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo mathvariant="bold">+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	40
81	Direct photon production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" mathvariant="bold">=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtex. display="inline"><mml:mi>d</mml:mi></mml:math>+Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi> Physical Review C, 2013, 87, .	2.9	37
82	Spectra and ratios of identified particles in Au+Au andd+Au collisions atsNN=200GeV. Physical Review C, 2013, 88, .	2.9	106
83	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¥</mml:mi><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mi>S</mml:mi><mml:mo>+ in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>+Au and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><. Physical Review C,	2.9	23
84	Neutral pion production with respect to centrality and reaction plane in Au+Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="italic">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:mrow></mml:m Physical Review C, 2013, 87, .	2.9	104
85	High average power lasers for future particle accelerators. AIP Conference Proceedings, 2013, , .	0.4	8
86	Measuring the absolute deuteriumâ€“tritium neutron yield using the magnetic recoil spectrometer at OMEGA and the NIF. Review of Scientific Instruments, 2012, 83, 10D912.	1.3	35
87	Nuclear-modification factor for open-heavy-flavor production at forward rapidity in Cu+Cu collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi> Physical Review D, 2012, 86, .	2.9	30
88	Observation of Direct-Photon Collective Flow in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow Physical Review Letters, 2012, 109, 122302.	7.8	184
89	Assembly of High-Areal-Density Deuterium-Tritium Fuel from Indirectly Driven Cryogenic Implosions. Physical Review Letters, 2012, 108, 215005.	7.8	57
90	Deviation from quark number scaling of the anisotropy parameter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>v</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>of pions, kaons, and protons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Au</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">Au</mml:mi>	2.9	64

#	Article	IF	Citations
91	Cross sections and double-helicity asymmetries of midrapidity inclusive charged hadrons inp+pcollisions ats=62.4â€‰â€‰GeV. Physical Review D, 2012, 86, .	4.7	7
92	Direct photon production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo mathvariant="bold">+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo	4.7	36
93	Ground and excited state charmonium production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo mathvariant="bold">+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	7.8	87
94	Measurement of neutral mesons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰	4.7	70
95	Physical Review D, 2012, 85, . Neutron spectrometryâ€”An essential tool for diagnosing implosions at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D308.	1.3	117
96	Measurement of neutral mesons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰	4.7	189
97	scaling properties of hadron production. Physical Review D, 2011, 83, .	4.7	24
98	Forward neutron production at the Fermilab Main Injector. Physical Review D, 2011, 83, .	4.7	9
99	Function of Rapidity and Nuclear Geometry in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>A</mml:mi></mml:math>Collisions	7.8	104
100	Flash radiography with 24 GeV/c protons. Journal of Applied Physics, 2011, 109, .	2.5	38
101	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	7.8	249
102	Production of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">‰</mml:math>mesons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	37
103	mesons and their comparison to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	4.7	43
104	Azimuthal correlations of electrons from heavy-flavor decay with hadrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	9
105	collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:mrow></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	170
106	Heavy-quark production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	196
107	and energy loss and flow of heavy quarks in Au + Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi></mml:mrow></mml:math>mesons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi>	2.9	75
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111	display="inline"><mml:msup><mml:mi>Î€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>Production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	7.8	98
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115	display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	7.8	87
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119	display="inline"><mml:mi>J</mml:mi><mml:mo>/</mml:mo><mml:mi>Ïˆ</mml:mi></mml:math>polarization at midrapidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	4.7	63
120	Inclusive cross section and double helicity asymmetry for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	4.7	81
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123	display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰ Physical Review Letters, 2009, 103, 082002. Gluon-Spin Contribution to the Proton Spin from the Double-Helicity Asymmetry in Inclusiveï€0Production in Polarizedp+pCollisions ats=200â€‰â€‰GeV. Physical Review Letters, 2009, 103, 012003.	7.8	72
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133	Production of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>J</mml:mi><mml:mo>/</mml:mo><mml:mi>Ψ</mml:mi></mml:mrow></mml:math> as constrained by deuteron-gold measurements at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi	2.9	97
134	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi mathvariant="normal">NN</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:m	2.9	62
135	Dihadron azimuthal correlations in Au+Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi mathvariant="normal">Au</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">Au</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi	2.9	63
136	Dihadron azimuthal correlations in Au+Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi mathvariant="italic">NN</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:mrow></mml:math> GeV. Physical Review C, 2008, 78, .	2.9	256
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140	Particle-Species Dependent Modification of Jet-Induced Correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	9
141	Physical Review Letters, 2008, 101, 232301.	7.8	255
142	Source Breakup Dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	37
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148	Elliptic Flow for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï•</mml:mi></mml:math>Mesons and (Anti)deuterons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	108
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160	Inclusive cross section and double helicity asymmetry for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:	4.7	163
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