

# Gobinda Mishra

## List of Publications by Year in descending order

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docs citations

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6035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2019, 123, 022301.	7.8	26
2	PHENIX Collaboration. Nuclear Physics A, 2017, 967, 996-1003.	1.5	0
3	PHENIX Collaboration. Nuclear Physics A, 2016, 956, 964-970.	1.5	0
4	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from $\sqrt{s_{NN}} = 2.9$ to 200 GeV. Physical Review C, 2016, 93, .	2.9	78
5	Systematic study of azimuthal anisotropy in Cu+Cu and Au+Au collisions at $\sqrt{s_{NN}} = 62.4$ and 200 GeV. Physical Review C, 2015, 92, .	2.9	19
6	Transverse-energy distributions at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.7 GeV. Physical Review C, 2014, 89, .	2.9	67
7	Photon and $\hat{p}$ production in p+Pb and p+C collisions at $\sqrt{s_{NN}} = 2.76$ to 6.75 GeV. Nuclear Physics A, 2013, 898, 14-23.	1.5	1
8	Direct photon production in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2013, 87, .	2.9	37
9	Event-by-event charged-particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2013, 87, .	7.8	87
10	Event-by-event charged-particle multiplicity fluctuations in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2013, 87, .	4.1	17
11	Heavy-quark production in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2013, 87, .	2.9	37
12	Enhanced Production of Direct Photons in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2010, 81, .	2.9	196
13	Detailed measurement of the $\pi^0$ production in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review Letters, 2010, 104, 132501.	2.9	75
14	Enhanced Production of Direct Photons in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2010, 81, .	7.8	319
15	Detailed measurement of the $\pi^0$ production in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review Letters, 2010, 104, 132501.	2.9	254
16	Charged Kaon Interferometric Probes of Space-Time Evolution in Au+Au Collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review Letters, 2009, 103, 142301.	7.8	35
17	Photon-hadron jet correlations in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2009, 80, .	2.9	60
18	High- $p_T$ $\pi^0$ production with respect to the reaction plane in Au+Au collisions at $\sqrt{s_{NN}} = 2.9$ to 6.75 GeV. Physical Review C, 2009, 80, .	2.9	51

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19	Systematic studies of elliptic flow measurements in $Au \langle \cos(2\phi) \rangle + Au \langle \cos(4\phi) \rangle$ collisions at $NN = 200 \text{ GeV}$	2.9	85
20	The PHENIX Collaboration. Nuclear Physics A, 2009, 830, 963c-966c. Photoproduction of $J/\psi$ and of high mass $e^+e^-$ pairs in Au+Au collisions at $NN = 200 \text{ GeV}$	1.5	4
21	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $NN = 200 \text{ GeV}$	4.1	100
22	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $NN = 200 \text{ GeV}$	2.9	93
23	Centrality dependence of charged hadron production in deuteron-gold measurements at $NN = 200 \text{ GeV}$	2.9	97
24	Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at $NN = 200 \text{ GeV}$	2.9	62
25	Dihadron azimuthal correlations in Au+Au collisions at $NN = 200 \text{ GeV}$	2.9	63
26	Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $NN = 200 \text{ GeV}$	2.9	256
27	Suppression of High-pT Neutral Pion Production in Central Pb+Pb Collisions at $NN = 17.3 \text{ GeV}$	7.8	22
29	Particle Species Dependent Modification of Jet-Induced Correlations in Collisions at $NN = 200 \text{ GeV}$	7.8	9
30	Suppression Pattern of Neutral Pions at High Transverse Momentum in Collisions at $NN = 200 \text{ GeV}$	7.8	255
31	Three-Dimensional Collisions at $NN = 200 \text{ GeV}$	7.8	37
32	Production of $\eta$ mesons at large transverse momenta in p+pd+Au collisions at $NN = 200 \text{ GeV}$	2.9	26
33	Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at $NN = 200 \text{ GeV}$	2.9	26
34	High transverse momentum $\eta$ meson production in p+p, d+Au, and Au+Au collisions at $NN = 200 \text{ GeV}$	2.9	82
35	Publisher's Note: $J/\psi$ Production versus Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at $NN = 200 \text{ GeV}$	7.8	3
36	Detailed study of high- $p_T$ pion suppression and azimuthal anisotropy in collisions at $NN = 200 \text{ GeV}$	2.9	87

#	ARTICLE	IF	CITATIONS
37	Simple Flow for Mesons and (Anti)deuterons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	108
38	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
39	Measurement of Direct Photon Production in p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	123
40	Centrality Dependence of $\phi$ and $\Omega$ Production at Large Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2007, 98, .	7.8	140
41	Evidence for a Long-Range Component in the Pion Emission Source in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 132301.	7.8	36
42	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
43	$J/\psi$ 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
44	Measurement of single muons at forward rapidity in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 162301.	4.7	31
45	Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	489
46	Correlated production of p and $\bar{p}$ in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	4.1	11
47	Jet properties from dihadron correlations in p+p collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2006, 74, .	4.7	78
48	Improved measurement of double helicity asymmetry in inclusive midrapidity $\phi$ production for polarized p+p collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2006, 73, .	4.7	25
49	Measurement of Identified 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
50	PHENIX Collaboration. Nuclear Physics A, 2006, 774, 949-953.	1.5	0
51	Pion freeze-out time in Pb+Pb collisions at 158 AGeV/c studied via $\pi^-/\pi^+$ and K <sup>-</sup> /K <sup>+</sup> ratios. European Physical Journal C, 2006, 48, 343-352.	3.9	1
52	Working group report: Heavy-ion physics and quark-gluon plasma. Pramana - Journal of Physics, 2006, 67, 961-981.	1.8	1
53	Jet structure from dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 73, .	2.9	53
54	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

#	ARTICLE	IF	CITATIONS
55	$J/\psi$ 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
56	Common Suppression Pattern of $\phi$ and $\omega$ Mesons at High Transverse Momentum in $Au+Au$ Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 202301.	7.8	117
57	Single Electrons from Heavy-Flavor Decays in $p+p$ Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 96, 032001.	7.8	46
58	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
59	Azimuthal Angle Correlations for Rapidity Separated Hadron Pairs in $d+Au$ Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 222301.	7.8	28
60	Nuclear effects on hadron production in $d+Au$ collisions at $\sqrt{s_{NN}}=200$ GeV revealed by comparison with $p+p$ data. Physical Review C, 2006, 74, .	2.9	90
61	Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX Collaboration. Nuclear Physics A, 2005, 757, 184-283.	1.5	2,520
62	Centrality and transverse momentum dependence of collective flow in 158 A GeV Pb+Pb collisions measured via inclusive photons. Nuclear Physics A, 2005, 762, 129-146.	1.5	20
63	Azimuthal anisotropy of photon and charged particle emission in 208Pb + 208Pb collisions at 158 A GeV/c. European Physical Journal C, 2005, 41, 287-296.	3.9	14
64	Measurement of single electron event anisotropy in $Au+Au$ collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	60
65	Jet structure of baryon excess in $Au+Au$ collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	58
66	Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dE_T/d\eta$ and $dN_{ch}/d\eta$ in heavy ion collisions at midrapidity. Physical Review C, 2005, 71, .	2.9	214
67	Measurement of Transverse Single-Spin Asymmetries for Midrapidity Production of Neutral Pions and Charged Hadrons in Polarized $p+p$ Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2005, 95, 202001.	7.8	144
68	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
69	Saturation of Azimuthal Anisotropy in $Au+Au$ Collisions at $\sqrt{s_{NN}}=62$ GeV. Physical Review Letters, 2005, 94, 232302.	7.8	57
70	Centrality Dependence of Direct Photon Production in $\sqrt{s_{NN}}=200$ GeV $Au+Au$ Collisions. Physical Review Letters, 2005, 94, 232301.	7.8	219
71	Production of $\phi$ mesons at midrapidity in $\sqrt{s_{NN}}=200$ GeV $Au+Au$ collisions at relativistic energies. Physical Review C, 2005, 72, .	2.9	95
72	Publisher's Note: Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dE_T/d\eta$ and $dN_{ch}/d\eta$ in heavy ion collisions at midrapidity [Phys. Rev. C 71, 034908 (2005)]. Physical Review C, 2005, 71, .	2.9	72



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73	Deuteron and Antideuteron Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 122302.	7.8	69
74	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
75	Midrapidity direct-photon production in p+p collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2005, 71, .	4.7	37
76	$J/\psi$ production in Au-Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	60
77	Identified charged particle spectra and yields in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	665
78	$J/\psi$ Production from Proton-Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 92, 051802.	7.8	63
79	Interferometry of Direct Photons in Central Pb208+Pb208 Collisions at 158 A GeV. Physical Review Letters, 2004, 93, 022301.	7.8	60
80	Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au and p+p Collisions. Physical Review Letters, 2004, 93, 092301.	7.8	80
81	Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 152302.	7.8	158
82	High- $p_{T}$ charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	233
83	Double Helicity Asymmetry in Inclusive Midrapidity $\pi^0$ Production for Polarized p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 93, 202002.	7.8	52
84	Single identified hadron spectra from $\sqrt{s_{NN}}=130$ GeV Au+Au collisions. Physical Review C, 2004, 69, .	2.9	154
85	Heavy ion collisions at collider energies – Insights from PHENIX. Pramana - Journal of Physics, 2003, 60, 639-650.	1.8	3
86	PHENIX detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 469-479.	1.6	443
87	PHENIX on-line systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 560-592.	1.6	23
88	Centrality dependence of the high $p_T$ charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 82-92.	4.1	75
89	Particle density fluctuations. Nuclear Physics A, 2003, 715, 339c-348c.	1.5	0
90	Photon flow in 158 A GeV Pb+Pb collisions. Nuclear Physics A, 2003, 715, 579c-582c.	1.5	3

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91	Centrality dependence of charged-neutral particle fluctuations in 158 A GeV 208 Pb+208 Pb collisions. Physical Review C, 2003, 67, .	2.9	15
92	One-, two-, and three-particle distributions from 158 A GeV/c central Pb+Pb collisions. Physical Review C, 2003, 67, .	2.9	32
93	Suppressed $\pi^0$ 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
94	Scaling Properties of Proton and Antiproton Production in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2003, 91, 172301.	7.8	209
95	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
96	Midrapidity Neutral-Pion Production in Proton-Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2003, 91, 241803.	7.8	249
97	Elliptic Flow of Identified Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 182301.	7.8	627
98	Centrality Dependence of $\pi^+$ , $K^+$ , $p$ , and $p^+$ Production from $\sqrt{s_{NN}}=130$ GeV Au + Au Collisions at RHIC. Physical Review Letters, 2002, 88, 242301.	7.8	244
99	Net Charge Fluctuations in Au+Au Interactions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 082301.	7.8	66
100	Event-by-event fluctuations in mean $p_T$ and mean $T$ in $\sqrt{s_{NN}}=130$ GeV Au+Au collisions. Physical Review C, 2002, 66, .	2.9	79
101	Flow Measurements via Two-Particle Azimuthal Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 212301.	7.8	163
102	Measurement of Single Electrons and Implications for Charm Production in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 88, 192303.	7.8	143
103	Centrality dependence of charged particle multiplicity at midrapidity in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2002, 65, .	2.9	77
104	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
105	Measurement of $\phi$ and $\psi$ Particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.	7.8	112
106	Event-by-event fluctuations in particle multiplicities and transverse energy produced in 158 A GeV Pb+Pb collisions. Physical Review C, 2002, 65, .	2.9	58
107	Transverse mass distributions of neutral pions from $\sqrt{s_{NN}}=158$ GeV Pb-induced reactions at 158 GeV. European Physical Journal C, 2002, 23, 225-236.	3.9	93
108	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

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109	Multiplicity distributions and charged-neutral fluctuations. Pramana - Journal of Physics, 2001, 57, 285-300.	1.8	3
110	First results from RHIC-PHENIX. Pramana - Journal of Physics, 2001, 57, 355-369.	1.8	1
111	Scaling of particle and transverse energy production in $\sqrt{s_{NN}} = 158$ A GeV. European Physical Journal C, 2001, 18, 651-663.	3.9	82
112	Localized charged-neutral fluctuations in 158 A GeV Pb+Pb collisions. Physical Review C, 2001, 64, .	2.9	28
113	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
114	Centrality Dependence of Charged Particle Multiplicity in Au-Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2001, 86, 3500-3505.	7.8	238
115	$\tilde{\eta}^{++}$ production in 158 A GeV 208Pb+208Pb interactions at the CERN SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 477, 37-44.	4.1	2
116	Collective flow and HBT in Pb+Pb collisions at the CERN-SPS. Nuclear Physics A, 2000, 663-664, 729c-732c.	1.5	2
117	Search for disoriented chiral condensates in 158 A GeV Pb+Pb collisions. Nuclear Physics A, 2000, 663-664, 745c-748c.	1.5	3
118	Central Pb+Pb collisions at 158 A GeV/c studied by $\pi^+\pi^-$ interferometry. European Physical Journal C, 2000, 16, 445-451.	3.9	18
119	Three-Pion Interferometry Results from Central Pb+Pb Collisions at 158 A GeV/c. Physical Review Letters, 2000, 85, 2895-2899.	7.8	29
120	Observation of Direct Photons in Central 158 A GeV Pb+Pb Collisions. Physical Review Letters, 2000, 85, 3595-3599.	7.8	188
121	Freeze-Out Parameters in Central 158 A GeV Pb+Pb Collisions. Physical Review Letters, 1999, 83, 926-930.	7.8	16
122	Search for DCC in relativistic heavy-ion collision through event shape analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 109-113.	4.1	11
123	Systematics of inclusive photon production in 158 A GeV Pb induced reactions on Ni, Nb, and Pb targets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 422-430.	4.1	29
124	Elliptic emission of $K^+$ and $\bar{K}^+$ in 158 A GeV Pb + Pb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 30-36.	4.1	12
125	Direct photon production in high-energy heavy-ion collisions. Nuclear Physics A, 1999, 654, 631c-634c.	1.5	1
126	A preshower photon multiplicity detector for the WA98 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 424, 395-413.	1.6	28



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127	Search for disoriented chiral condensates in 158 AGeV Pb+Pb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 169-179.	4.1	60
128	Centrality Dependence of Neutral Pion Production in 158 AGeV Pb+Pb Collisions. Physical Review Letters, 1998, 81, 4087-4091.	7.8	54
129	Some interesting observations regarding factorial moments and generalised moments in intermittency analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 297-302.	4.1	1