

Roland Kotte

List of Publications by Year in descending order

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138
papers

4,942
citations

76326

40
h-index

102487

66
g-index

140
all docs

140
docs citations

140
times ranked

2857
citing authors

#	ARTICLE	IF	CITATIONS
19	Medium effects in proton-induced K^0 production at 3.5 GeV. Physical Review C, 2014, 90, .	2.9	22
20	Associate K^0 production in $p+p$ collisions at 3.5 GeV: The role of $\Lambda(1232)^{++}$. Physical Review C, 2014, 90, .	2.9	16
21	The CBM Time-of-Flight wall – a conceptual design. Journal of Instrumentation, 2014, 9, C10014-C10014.	1.2	21
22	Searching a dark photon with HADES. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 265-271.	4.1	113
23	Azimuthal emission patterns of K^0 of K^0 in $Ni^{60}+Ni$ collisions near the strangeness production threshold. Physical Review C, 2014, 90, .	2.9	22
24	Lambda hyperon production and polarization in collisions of $p(3.5 \text{ GeV})+Nb$. European Physical Journal A, 2014, 50, 1.	2.5	31
25	Baryon resonance production and dielectron decays in proton-proton collisions at 3.5 GeV. European Physical Journal A, 2014, 50, 1.	2.5	29
26	Sióvio: A trigger for Λ -hyperons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 38-49.	1.6	0
27	Time of flight measurement in heavy-ion collisions with the HADES RPC TOF wall. Journal of Instrumentation, 2014, 9, C11015-C11015.	1.2	6
28	In-medium hadron properties measured with HADES. EPJ Web of Conferences, 2014, 66, 04023.	0.3	1
29	Low mass dielectrons radiated off cold nuclear matter measured with HADES. EPJ Web of Conferences, 2014, 66, 09011.	0.3	0
30	An upper limit on hypertriton production in collisions of $Ar(1.76 \text{ A GeV}) + KCl$. European Physical Journal A, 2013, 49, 1.	2.5	1
31	overflow="scroll"> p K final state: Towards the extraction of the K^0 production in $p+p$ collisions at 3.5 GeV beam energy. Physical Review C, 2013, 87, .	1.5	36
32	Baryonic resonances close to the K^0 threshold. The case of $\Lambda(1405)$. Physical Review C, 2013, 87, .	2.9	70
33	Development of high-rate MRPCs for high resolution time-of-flight systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 713, 40-51.	1.6	34
34	Deep sub-threshold $K^*(892)^0$ production in collisions of $Ar + KCl$ at 1.76 A GeV. European Physical Journal A, 2013, 49, 1.	2.5	13
35	Inclusive pion and Λ production in $p+p$ collisions at 3.5 GeV beam energy. Physical Review C, 2013, 88, .	2.9	14
36	Hades experiments: investigation of hadron in-medium properties. Journal of Physics: Conference Series, 2013, 420, 012013.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Acta Physica Polonica B, 2012, 43, 601.	0.8	0
38	Inclusive dielectron production in proton-proton collisions at 2.2 GeV beam energy. Physical Review C, 2012, 85, .	2.9	22
39	The dp-elastic cross section measurement at the deuteron kinetic energy of 2.5 GeV. EPJ Web of Conferences, 2012, 37, 09021.	0.3	1
40	Extreme high-rate capable timing resistive plate chambers with ceramic electrodes. Journal of Instrumentation, 2012, 7, P10012-P10012.	1.2	4
41	The HADES-at-FAIR project. Physics of Atomic Nuclei, 2012, 75, 589-593.	0.4	7
42	Strange baryon resonances in pp collisions measured with HADES. Hyperfine Interactions, 2012, 213, 63-70.	0.5	0
43	Baryonic resonances close to the Λ^* threshold: The case of $\Sigma(1385)^+$ in pp collisions. Physical Review C, 2012, 85, .	2.9	37
44	First measurement of proton-induced low-momentum dielectron radiation off cold nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 304-309.	4.1	42
45	Inclusive dielectron spectra in p+p collisions at 3.5 GeV kinetic beam energy. European Physical Journal A, 2012, 48, 1.	2.5	58
46	Study of exclusive one-pion and one-eta production using hadron and dielectron channels in pp reactions at kinetic beam energies of 1.25 GeV and 2.2 GeV with HADES. European Physical Journal A, 2012, 48, 1.	2.5	23
47	The CBM time-of-flight wall. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S121-S124.	1.6	51
48	Systematics of azimuthal asymmetries in heavy ion collisions in the regime. Nuclear Physics A, 2012, 876, 1-60.	1.5	117
49	Production of Λ in reactions at 3.5 GeV beam energy. Nuclear Physics A, 2012, 881, 178-186.	1.5	14
50	Inclusive e^+e^- pair production in p+p and p+Nb collisions at $E_{kin} = 3.5$ GeV. Journal of Physics: Conference Series, 2011, 316, 012007.	0.4	3
51	Hyperon production in Ar + KCl collisions at 1.76A GeV. European Physical Journal A, 2011, 47, 1.	2.5	70
52	pp and Λ intensity interferometry in collisions of Ar+KCl at 1.76A GeV. European Physical Journal A, 2011, 47, 1.	2.5	9
53	Ceramics high rate timing RPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 138-141.	1.6	21
54	High-rate timing RPC with ceramics electrodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, S113-S116.	1.6	12

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55	Dielectron production in Ar + KCl collisions at 1.76 GeV. Physical Review C, 2011, 84, .	2.9	78
56	DILEPTON PRODUCTION STUDIED WITH THE HADES SPECTROMETER. International Journal of Modern Physics A, 2011, 26, 384-389.	1.5	3
57	Origin of the low-mass electron pair excess in light nucleus-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 118-122.	4.1	85
58	Dilepton Production at SIS Energies Studied with HADES. Nuclear Physics A, 2010, 834, 298c-302c.	1.5	1
59	Systematics of central heavy ion collisions in the regime. Nuclear Physics A, 2010, 848, 366-427.	1.5	139
60	In-medium effects on dielectron production in relativistic heavy-ion collisions. Physical Review C, 2010, 82, .	2.9	6
61	Measurement of the dielectron production in collisions of Au+Au collisions at 200 GeV. Physical Review C, 2010, 82, .	2.9	10
62	Measurement of the dielectron production in collisions of Au+Au collisions at 200 GeV. Physical Review C, 2010, 82, .	2.9	6
63	Studying Hadron Properties in Baryonic Matter with HADES. , 2010, , .		0
64	Measurement of the In-Medium Dielectron Production in Au+Au Collisions at 200 GeV. Physical Review C, 2010, 82, .	7.8	38
65	Dielectron production in Au+Au collisions at 200 GeV. Physical Review C, 2010, 82, .	7.8	74
66	Dielectron production in Au+Au collisions at 200 GeV. Physical Review C, 2009, 80, .	2.9	7
67	Measurement of charged pions in 12C + 12C collisions at 1 A GeV and 2 A GeV with HADES. European Physical Journal A, 2009, 40, 45-59.	2.5	28
68	The high-acceptance dielectron spectrometer HADES. European Physical Journal A, 2009, 41, 243-277.	2.5	271
69	Measurement of low-mass e+e- pair production in 1 and 2A GeV C-C collision with HADES. European Physical Journal C, 2009, 62, 81-84.	3.9	2
70	Study of dielectron production in Au+Au collisions at 200 GeV. Physical Review C, 2009, 80, .	4.1	83
71	Dielectron spectroscopy at 1-2 AGeV with HADES. European Physical Journal A, 2008, 38, 163-166.	2.5	0
72	DIELECTRON PRODUCTION IN C + C AND p + p COLLISIONS WITH HADES. International Journal of Modern Physics A, 2007, 22, 388-396.	1.5	2

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73	Subthreshold production of $\Xi(1385)$ baryons in Al+Al collisions at 1.9 A GeV. Physical Review C, 2007, 76, .	2.9	33
74	Dielectron Production in C12+C12 Collisions at 2 A GeV with the HADES Spectrometer. Physical Review Letters, 2007, 98, 052302.	7.8	115
75	$\langle K^+K^- \rangle$ production in Ni+Ni collisions near threshold. Physical Review C, 2007, 76, .	2.9	152
76	Isospin dependence of relative yields of K^+ and K^0 mesons at 1.528 A GeV. Physical Review C, 2007, 75, .	2.9	27
77	Dielectron production in $^{12}\text{C}+^{12}\text{C}$ collisions at 2 A GeV with HADES. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S1041-S1045.	3.6	1
78	Performance of RPC with low-resistive silicate glass electrodes exposed to an intense continuous electron beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 576, 331-336.	1.6	16
79	Systematics of pion emission in heavy ion collisions in the regime. Nuclear Physics A, 2007, 781, 459-508.	1.5	188
80	Dilepton production in pp and CC collisions with HADES. European Physical Journal A, 2007, 31, 831-835.	2.5	6
81	Testing timing RPC detectors at the Rossendorf electron linac ELBE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 155-163.	1.6	10
82	Excitation function of elliptic flow in Au+Au collisions and the nuclear matter equation of state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 612, 173-180.	4.1	136
83	Probing of in-medium hadron structure with HADES. Nuclear Physics A, 2005, 749, 150-159.	1.5	22
84	Di-electron measurements in C+C reactions at with HADES. Nuclear Physics A, 2005, 752, 433-438.	1.5	3
85	Two-proton small-angle correlations in central heavy-ion collisions: A beam-energy- and system-size-dependent study. European Physical Journal A, 2005, 23, 271-278.	2.5	27
86	First analysis of anisotropic flow with Lee-Yang zeros. Physical Review C, 2005, 72, .	2.9	20
87	Charged pion production in $^{44}\text{Ru}+^{44}\text{Ru}$ collisions at 400 A and 1528 A MeV. Physical Review C, 2005, 71, .	2.9	27
88	DILEPTON ANALYSIS IN THE HADES SPECTROMETER FOR $^{12}\text{C}+^{12}\text{C}$ AT 2 AGEV. International Journal of Modern Physics A, 2005, 20, 602-605.	1.5	0
89	Nuclear Stopping from 0.09 A to 1.93 A GeV and Its Correlation to Flow. Physical Review Letters, 2004, 92, 232301.	7.8	85
90	Azimuthal Dependence of Collective Expansion for Symmetric Heavy-Ion Collisions. Physical Review Letters, 2004, 92, 072303.	7.8	40

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91	Droplet formation in expanding nuclear matter: a system-size dependent study. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 118-126.	4.1	19
92	Study of e^+, e^- production in elementary and nuclear collisions near the production threshold with HADES. Progress in Particle and Nuclear Physics, 2004, 53, 49-58.	14.4	12
93	Particle identification at HADES. Nuclear Physics A, 2004, 734, 78-81.	1.5	1
94	Shape parameters of the participant source in Ru+Ru collisions at. Nuclear Physics A, 2004, 742, 29-54.	1.5	5
95	HADES tracking system: first in-beam experience. IEEE Transactions on Nuclear Science, 2004, 51, 939-942.	2.0	2
96	Sub-threshold η -meson yield in central collisions. Nuclear Physics A, 2003, 714, 89-123.	1.5	24
97	Directed flow in Au+Au, Xe+CsI, and Ni+Ni collisions and the nuclear equation of state. Physical Review C, 2003, 67, .	2.9	63
98	Proton and deuteron rapidity distributions and nuclear stopping in $^{96}\text{Ru}(^{96}\text{Zr})+^{96}\text{Ru}(^{96}\text{Zr})$ collisions at 400 MeV. Physical Review C, 2002, 66, .	2.9	57
99	Transition from in-plane to out-of-plane azimuthal enhancement in Au+Au collisions. Nuclear Physics A, 2001, 679, 765-792.	1.5	71
100	Differential directed flow in Au+Au collisions. Physical Review C, 2001, 64, .	2.9	35
101	Sideward flow of K^+ mesons in Ru+Ru and Ni+Ni reactions near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 486, 6-12.	4.1	88
102	Direct comparison of phase-space distributions of K^- and K^+ mesons in heavy-ion collisions at SIS energies – evidence for in-medium modifications of kaons?. European Physical Journal A, 2000, 9, 515-519.	2.5	54
103	Isospin Tracing: A Probe of Nonequilibrium in Central Heavy-Ion Collisions. Physical Review Letters, 2000, 84, 1120-1123.	7.8	126
104	Flow angle from intermediate mass fragment measurements. Nuclear Physics A, 1999, 646, 367-384.	1.5	21
105	On the space-time difference of proton and composite particle emission in central heavy-ion reactions at 400 MeV. European Physical Journal A, 1999, 6, 185-195.	2.5	30
106	Identification of baryon resonances in central heavy-ion collisions at energies between 1 and 2 AGeV. European Physical Journal A, 1998, 3, 335-349.	2.5	42
107	Stopping and radial flow in central $^{58}\text{Ni}+^{58}\text{Ni}$ collisions between 1 and 2 AGeV. Physical Review C, 1998, 57, 244-253.	2.9	67
108	K^+ production in the reaction $^{58}\text{Ni}+^{58}\text{Ni}$ at incident energies from 1 to 2 A GeV. Nuclear Physics A, 1997, 625, 307-324.	1.5	67

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109	Proton-proton correlations in central collisions of Ni+Ni at 1.93 A-GeV and the space-time extent of the emission source. Zeitschrift für Physik A, 1997, 359, 47-54.	0.9	8
110	Charged pions from Ni on Ni collisions between 1 and 2 AGeV. Zeitschrift für Physik A, 1997, 359, 55-64.	0.9	41
111	Charged pion production in Au on Au collisions at 1 AGeV The FOPI Collaboration. Zeitschrift für Physik A, 1997, 357, 215-234.	0.9	77
112	Shape of collective flow in highly central Au(150 A MeV)+Au collisions. Zeitschrift für Physik A, 1997, 358, 73-80.	0.9	11
113	Abundance of $\hat{\rho}$ resonances in 58Ni + 58Ni collisions between 1 and 2 AGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 115-120.	4.1	51
114	Central collisions of Au on Au at 150, 250 and 400 A-GeV. Nuclear Physics A, 1997, 612, 493-556.	1.5	154
115	Onset of nuclear matter expansion in Au+Au collisions. Nuclear Physics A, 1997, 624, 755-772.	1.5	38
116	Azimuthal anisotropies as stringent test for nuclear transport models. Nuclear Physics A, 1997, 627, 522-542.	1.5	15
117	Out-of-plane emission of nuclear matter in Au+Au collisions between 100 and 800 A MeV. Nuclear Physics A, 1997, 622, 573-592.	1.5	30
118	Evidence for collective expansion in light-particle emission following Au+Au collisions at 100, 150 and 250 A-GeV. Nuclear Physics A, 1995, 586, 755-776.	1.5	41
119	On the transverse momentum distribution of strange hadrons produced in relativistic heavy ion collisions. Zeitschrift für Physik A, 1995, 352, 355-357.	0.9	120
120	Sideward flow in Au + Au collisions at 400 A.MeV. Nuclear Physics A, 1995, 587, 802-814.	1.5	32
121	Interplay of collective flow phenomena and velocity correlations of intermediate-mass fragments in collisions of Au+Au at E=(100-400)A MeV. Physical Review C, 1995, 51, 2686-2699.	2.9	20
122	Cluster Formation during Expansion of Hot and Compressed Nuclear Matter Produced in Central Collisions of Au on Au at 250A MeV. Physical Review Letters, 1995, 74, 5001-5004.	7.8	32
123	Entropy in central Au+Au reactions between 100 and 400A MeV. Physical Review C, 1995, 52, 346-355.	2.9	5
124	Collective motion in selected central collisions of Au on Au at 150A MeV. Physical Review Letters, 1994, 72, 3468-3471.	7.8	122
125	Energy dependence of collective flow of neutrons and protons in 197Au+197Au collisions. Zeitschrift für Physik A, 1994, 350, 115-120.	0.9	52
126	A highly-segmented $\hat{\rho}$ -time-of-flight wall as forward detector of the 4 π -system for charged particles at the SIS/ESR accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 156-176.	1.6	126

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127	Velocity correlations of intermediate mass fragments produced in central collisions of Au+Au at E=150A MeV. Physical Review C, 1993, 48, R955-R959.	2.9	42
128	Entropy production in the Au+Au reaction between 150A and 800A MeV. Physical Review C, 1993, 48, 1232-1245.	2.9	33
129	Azimuthal asymmetry of neutral pion emission in Au+Au reactions at 1 GeV/nucleon. Physical Review Letters, 1993, 71, 835-838.	7.8	70
130	Midrapidity source of intermediate-mass fragments in highly central collisions of Au + Au at 150A MeV. Physical Review Letters, 1992, 69, 889-892.	7.8	68
131	Fission modes in charged-particle induced fission. Zeitschrift für Physik A, Atomic Nuclei, 1990, 337, 439-446.	0.3	0
132	Performance of a bragg ionization chamber for depth profiling and surface analysis. Nuclear Instruments & Methods in Physics Research B, 1989, 43, 82-91.	1.4	27
133	In-beam investigation of ternary fission. Zeitschrift für Physik A, Atomic Nuclei, 1988, 330, 189-195.	0.3	0
134	Properties of buried insulating layers in silicon formed by high dose implantation at 60 keV. Nuclear Instruments & Methods in Physics Research B, 1988, 32, 440-445.	1.4	17
135	Charged particle induced ternary fission. Zeitschrift für Physik A, Atomic Nuclei, 1987, 328, 495-496.	0.3	0
136	Bragg peak spectroscopy of low-energy heavy ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 257, 244-252.	1.6	15
137	Influence of the cure parameters on the partial discharge behavior of cast resins. , 0, , .		6
138	The HADES tracking system: first in-beam experiences with operation and aging. , 0, , .		0