

Jurgen Engelfried

List of Publications by Year in descending order

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75
papers

1,748
citations

279798

23
h-index

265206

42
g-index

77
all docs

77
docs citations

77
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	First Observation of the Doubly Charmed Baryon Ω_{cc}^{++} . Physical Review Letters, 2002, 89, 112001. Confirmation of the doubly charmed baryon Ω_{cc}^{++} . Physical Review Letters, 2002, 89, 112001.	7.8	366
2	Let the beam and detector of the NA62 experiment at CERN. Journal of Instrumentation, 2017, 12, P05025-P05025.	4.1	252
3	Precision measurement of the ratio of the charged kaon leptonic decay rates. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 326-336.	1.2	115
4	Observation of a Narrow Charm-Strange Meson $D_{s1}^{*+}(2632) \rightarrow D_s^+ \pi^0$ and D_{0K}^+ . Physical Review Letters, 2004, 93, 242001.	4.1	88
5	Measurement of the Ω_{cc}^{++} charge radius by $\Omega_{cc}^{++} e^-$ electron elastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 522, 233-239.	7.8	82
6	Search for heavy neutral lepton production in K^+ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 137-145.	4.1	51
7	The SELEX phototube RICH detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 431, 53-69.	4.1	49
8	Hadronic production of $\bar{b}c$ from 600 GeV/c \bar{K}^0 , \bar{K}^* and p beams. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 528, 49-57.	1.6	45
9	Total cross section measurements with \bar{K}^0 , \bar{K}^* and protons on nuclei and nucleons around. Nuclear Physics B, 2000, 579, 277-312.	4.1	42
10	Study of the $K^0 \rightarrow \pi^0 \ell^+ \ell^-$ decay by the NA62 experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 65-74.	2.5	38
11	The Omega RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 60-67.	1.6	35
12	Test of lepton flavour universality in $K^0 \rightarrow \pi^0 \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 185-186.	1.6	35
13	Search for the exotic $\bar{K}^*(1860)$ resonance in $340 \text{ GeV } \bar{K}^0$ -nucleus interactions. Physical Review C, 2004, 70, .	2.9	32
14	Signal propagation in long wire chambers. Journal of Instrumentation, 2012, 7, P09003-P09003.	1.2	32
15	Precision Measurements of the Ω_{cc}^{++} and D_0 lifetimes. Physical Review Letters, 2001, 86, 5243-5246.	7.8	31
16	Measurement of the \bar{K}^0 electromagnetic transition form factor slope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 38-45.	4.1	27
17	Searches for lepton number violating K^+ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134794.	4.1	26

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19	Measurement of the lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 151-161.	4.1	25
20	The RICH counter in the CERN hyperon beam experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 323, 373-379.	1.6	24
21	Measurement of the polarization of Λ^0 , $\bar{\Lambda}^0$, Σ^+ and Σ^0 produced in a π^+ beam of 330 GeV/c. Zeitschrift für Physik A, 1995, 350, 379-386.	0.9	23
22	The Experimental Discovery of Double-Charm Baryons. Nuclear Physics A, 2005, 752, 121-128.	1.5	23
23	Search for heavy neutrinos in $K^+\pi^+\pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 712-718.	4.1	23
24	Particle identification with the RICH detector in experiment WA89 at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 279-283.	1.6	16
25	The E781 (SELEX) RICH detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 439-442.	1.6	15
26	SELEX RICH performance and physics results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 285-288.	1.6	15
27	Upper limit on the decay $\Lambda(1385)^+\pi^+\pi^0$ and cross section for $\Lambda(1385)^+\pi^+\pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 161-169.	4.1	15
28	The RICH detector of the SELEX experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 149-152.	1.6	14
29	Cherenkov light imaging – Fundamentals and recent developments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 1-6.	1.6	13
30	The recent performance of the Omega RICH detector in experiment WA89 at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 371, 27-32.	1.6	12
31	Search for the pentaquark candidate $\Theta^+(1540)$ in the hyperon beam experiment WA89. Physical Review C, 2005, 72, .	2.9	12
32	Observation of the Cabibbo-Suppressed Decay $\Lambda_c^+\pi^0pK^+\pi^+$. Physical Review Letters, 2000, 84, 1857-1861.	7.8	11
33	Radiative decay width of the $a_2(1320)^+$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 171-180.	4.1	11
34	A method to evaluate mirrors for Cherenkov counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 369, 69-78.	1.6	10
35	The Omega RICH in the CERN hyperon beam experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 71-76.	1.6	9
36	Measurement of the D_s^\pm lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 22-28.	4.1	9

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37	Ageing effects observed in the CERN Omega RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 258-262.	1.6	8
38	Two RICH detectors as velocity spectrometers in the CKM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 62-66.	1.6	8
39	DART/spl minus/data acquisition for the next generation of Fermilab fixed target experiments. IEEE Transactions on Nuclear Science, 1994, 41, 45-51.	2.0	7
40	Strange particle production in sulphur-sulphur interactions at 200 per nucleon.. Nuclear Physics A, 1994, 566, 499-502.	1.5	6
41	Redesign of the CKM RICH velocity spectrometers for use in a unseparated beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 220-224.	1.6	6
42	Nuclear dependence of charm production. European Physical Journal C, 2009, 64, 637-644.	3.9	6
43	Production asymmetry of Ds from 600 GeV/c $\bar{\Lambda}^+$ and $\bar{\Sigma}^+$ beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 558, 34-40.	4.1	5
44	A 100 MHz time-to-digital-converter system in VMEbus. IEEE Transactions on Nuclear Science, 1990, 37, 378-381.	2.0	4
45	Ronchi test for flat mirrors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 172-176.	1.6	4
46	RENAISSANCE OF THE ~1 TeV FIXED-TARGET PROGRAM. International Journal of Modern Physics A, 2010, 25, 777-813.	1.5	4
47	First measurement of $\bar{e}^+e^- \rightarrow \bar{\Lambda}^+ \Lambda^0$ pion virtual compton scattering. Physical Review C, 2002, 66, .	2.9	3
48	Spectra and correlations of $\bar{\Lambda}^+$ and $\bar{\Sigma}^+$ produced in 340-GeV/c $\bar{p} + \text{C}$ and 260-GeV/c $n + \text{C}$ interactions. Physical Review C, 2002, 65, . First observation of the Cabibbo-suppressed decays $\bar{\Lambda}^+ \rightarrow \bar{p} \pi^0$ and $\bar{\Sigma}^+ \rightarrow \bar{p} \pi^0$ <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="st1.gif" overflow="scroll"><mml:msubsup><mml:mi mathvariant="normal">$\bar{\Lambda}^+$</mml:mi><mml:mi>c</mml:mi><mml:mo>+</mml:mo></mml:msubsup><mml:mo>$\bar{\Lambda}^+$</mml:mo><mml:msubsup><mml:mi mathvariant="normal">$\bar{\Sigma}^+$</mml:mi><mml:mo>+</mml:mo></mml:msubsup><mml:mo>$\bar{\Lambda}^+$</mml:mo></mml:math></small>	2.9	3
49	The transverse momentum dependence of charged kaon Bose-Einstein correlations in the SELEX experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 458-464.	4.1	3
50	The transverse momentum dependence of charged kaon Bose-Einstein correlations in the SELEX experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 458-464.	4.1	3
51	Fermilab DART run control. IEEE Transactions on Nuclear Science, 1996, 43, 20.	2.0	2
52	Charged particle production in S-S collisions at 200 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 148-154.	4.1	2
53	Radial tail resolution in the SELEX RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 237-241. The role of the NA62 RICH in the $\bar{K}^0 \rightarrow \pi^+ \pi^-$ experiment <small>display="inline" overflow="scroll" id="d1e278"</small>	1.6	2
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55	Fundamental Measurements and Instrumentation – CKM – AIP Conference Proceedings, 2002, , .	0.4	1
56	Polarization of Λ -hyperons produced by 800 GeV/c protons on Cu and Be. Physical Review D, 2004, 70, .	4.7	1
57	Title is missing!. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, vii-viii.	1.6	1
58	Ring Imaging Cherenkov Detectors. AIP Conference Proceedings, 2006, , .	0.4	1
59	Observation of a resonance in the K_S^0 decay channel at a mass of 1765 MeV/c ² . European Physical Journal C, 2007, 50, 535.	3.9	1
60	Precision tests of the Standard Model with Kaon decays at CERN. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1671-1677.	0.5	1
61	Recent results and prospects for NA62 experiment. Nuclear and Particle Physics Proceedings, 2017, 285-286, 104-109.	0.5	1
62	Particle Identification. , 2012, , 125-137.		1
63	Resonances in Λ_c^+ hyperons. AIP Conference Proceedings, 2002, , .	0.4	0
64	Recent SELEX Results on the Properties of Charmed Hadrons. AIP Conference Proceedings, 2005, , .	0.4	0
65	Search of the Exotic State $U(3100)$ in SELEX. Journal of Physics: Conference Series, 2006, 37, 11-15.	0.4	0
66	Production of V_0 pairs in the hyperon experiment WA89. European Physical Journal C, 2007, 52, 857-874.	3.9	0
67	Measuring the masses of the charged hadrons using a RICH as a precision velocity spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 246-248.	1.6	0
68	Recent results and prospects on kaon physics at CERN. Nuclear Physics, Section B, Proceedings Supplements, 2013, 245, 223-230.	0.4	0
69	Prospects for observation at CERN in NA62. Journal of Physics: Conference Series, 2015, 631, 012041.	0.4	0
70	Prospects for observation of $K_S^0 \rightarrow \pi^+ \pi^-$ at CERN in NA62. Nuclear and Particle Physics Proceedings, 2017, 282-284, 101-105.	0.5	0
71	Prospects for observation of $K_S^0 \rightarrow \pi^+ \pi^-$ at CERN in NA62. Nuclear and Particle Physics Proceedings, 2017, 282-284, 101-105.	0.5	0
72	Study of π^0 Dalitz decays in the NA62 and NA48/2 experiments. Nuclear and Particle Physics Proceedings, 2017, 282-284, 106-110.	0.5	0

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73	Neutral pion form factor measurement by the NA62 experiment. Journal of Physics: Conference Series, 2017, 873, 012016.	0.4	0
74	NA62 and NA48/2 results on search for Heavy Neutral Leptons. EPJ Web of Conferences, 2018, 179, 01009.	0.3	0
75	Particle Identification. , 2021, , 145-160.		0