

Alberto Gianoli

List of Publications by Year in descending order

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127
docs citations

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times ranked

4059
citing authors

#	ARTICLE	IF	CITATIONS
1	$K^+ \rightarrow \pi^+ u \bar{u}$ Decay and NP Searches at NA62. Acta Physica Polonica B, Proceedings Supplement, 2020, 13, 95.	0.1	0
2	The NA62 GigaTracker: a low mass high intensity beam 4D tracker with 65 ps time resolution on tracks. Journal of Instrumentation, 2019, 14, P07010-P07010.	1.2	13
3	Searches for lepton number violating K^+ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134794.	4.1	26
4	Search for production of an invisible dark photon in \tilde{e}^0 decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
5	First search for $K^+ \rightarrow \pi^+ \tilde{e}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 156-166.	4.1	48
6	First observation and study of the $K^+ \rightarrow \pi^+ \tilde{e}^0 e^+ e^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 552-561.	4.1	9
7	The Gigatracker detector of the NA62 experiment at CERN SPS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 715-716.	1.6	1
8	Measurement of the form factors of charged kaon semileptonic decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
9	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	49
10	Kl3 Form Factors with NA48/2 and NA62 Status. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 617.	0.1	0
11	Level Zero Trigger Processor for the ultra rare kaon decay experiment: NA62. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 623-627.	1.6	0
12	Real-time track-less Cherenkov ring fitting trigger system based on Graphics Processing Units. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 115-118.	1.6	1
13	Measurement of the \tilde{e}^0 electromagnetic transition form factor slope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 38-45.	4.1	27
14	GPU-based low-level trigger system for the standalone reconstruction of the ring-shaped hit patterns in the RICH Cherenkov detector of NA62 experiment. Journal of Instrumentation, 2017, 12, C03005-C03005.	1.2	0
15	Searches for lepton number violation and resonances in $K^+ \rightarrow \pi^+ \tilde{e}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 67-76.	4.1	26
16	Neutral pion form factor measurement by the NA62 experiment. Journal of Physics: Conference Series, 2017, 873, 012016.	0.4	0
17	Search for heavy neutrinos in $K^+ \rightarrow \pi^+ \tilde{e}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 712-718.	4.1	23
18	The NA62 GigaTracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 147-149.	1.6	11

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19	The beam and detector of the NA62 experiment at CERN. Journal of Instrumentation, 2017, 12, P05025-P05025.	1.2	115
20	Level Zero Trigger processor for the ultra rare kaon decay experiment "NA62. Journal of Instrumentation, 2016, 11, C02037-C02037.	1.2	2
21	The Level 0 Trigger Processor for the NA62 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 324-325.	1.6	2
22	Graphics Processing Units for HEP trigger systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 307-310.	1.6	0
23	Prospects for observation at CERN in NA62. Journal of Physics: Conference Series, 2015, 631, 012041.	0.4	0
24	GPU-based Low-Level Trigger System for Real-Time Cherenkov Ring Fitting. , 2015, , .		0
25	Precision tests of the Standard Model with Kaon decays at CERN. Journal of Physics: Conference Series, 2015, 631, 012040.	0.4	1
26	The level-0 trigger processor for the NA62 experiment. , 2015, , .		1
27	Search for the dark photon in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \tilde{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 217 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 178 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 185$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 178-185.	4.1	217
28	Detailed study of the $K \rightarrow \pi^0 \ell^+ \ell^-$ ($K \rightarrow \pi^0 e^+ e^-$) decay properties. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
29	A new measurement of the $K \rightarrow \pi^0 \ell^+ \ell^-$ decay at the NA48/2 experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 65-74.	4.1	217
30	Study of the $K \rightarrow \pi^0 \ell^+ \ell^-$ decay by the NA62 experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 65-74.	4.1	217
31	Implementation of a PC-based Level 0 Trigger Processor for the NA62 Experiment. Journal of Physics: Conference Series, 2014, 513, 012008.	0.4	3
32	Measurement of the branching ratio of the decay $K \rightarrow \pi^0 \ell^+ \ell^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 105-110.	4.1	88
33	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.	4.1	88
34	A parallel framework for the SuperB super flavor factory. , 2012, , .		0
35	A prototype suite for data-analysis management of the SuperB experiment. , 2012, , .		0
36	SuperB Simulation Production System. Journal of Physics: Conference Series, 2012, 396, 022053.	0.4	0

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55	New high statistics measurement of K_{e4} decay form factors and $\pi\pi$ scattering phase shifts. European Physical Journal C, 2008, 54, 411.	3.9	98
56	Using SAML-Based VOMS for Authorization within Web Services-Based UNICORE Grids. Lecture Notes in Computer Science, 2008, , 112-120.	1.3	6
57	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	1.2	969
58	Distributed policy framework across multiple grid domains. , 2007, , .		1
59	Virtual Organization Management Across Middleware Boundaries. , 2007, , .		6
60	The P326 (NA48/3) Gigatracker: Requirements and design concept. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 290-291.	1.6	16
61	The beam and detector for the NA48 neutral kaon CP violation experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and	1.6	174
62	Measurement of the ratio R_{K^*} . $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	19
63	Measurement of R_{K^*} . $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	21
64	Measurement of R_{K^*} . $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	33
65	First observation and branching fraction and decay parameter measurements of the weak radiative decay $K^* \rightarrow \pi \gamma$. $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	12
66	Determination of the relative decay rate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 145-150.	4.1	5
67	Determination of the relative decay rate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 145-150.	4.1	6
68	Measurements of charged kaon semileptonic decay branching fractions $K^* \rightarrow \pi \ell^+ \ell^-$ and $K^* \rightarrow \pi \ell^+ \ell^-$ and their ratio. European Physical Journal C, 2007, 50, 329-340.	3.9	19
69	Search for direct CP violating charge asymmetries in $K^* \rightarrow \pi \ell^+ \ell^-$ and $K^* \rightarrow \pi \ell^+ \ell^-$ decays. European Physical Journal C, 2007, 52, 875-891.	3.9	89
70	Observation of a cusp-like structure in the $K^* \rightarrow \pi \ell^+ \ell^-$ decays. $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	119
71	Measurement of the radiative $K^* \rightarrow \pi \gamma$ decay. $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	11
72	Measurement of the radiative $K^* \rightarrow \pi \gamma$ decay. $\text{mml:math altimg="si1.gif" overflow="scroll"}$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema"}$ $\text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd"}$	4.1	7

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73	Measurement of the $K_S^0 \rightarrow \pi^+ \pi^-$ decay asymmetry and branching fraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 276-284.	4.1	15
74	Measurement of the $K_S^0 \rightarrow \pi^+ \pi^-$ decay asymmetry and branching fraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 251-259.	4.1	6
75	A new drift chamber TDC readout for the high intensity program of the NA48 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 493-494.	4.1	5
76	The INFN-Grid Testbed. Future Generation Computer Systems, 2005, 21, 249-258.	7.5	13
77	First observation of the $K_S^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 276-284.	4.1	9
78	Measurement of the $K_S^0 \rightarrow \pi^+ \pi^-$ decay asymmetry and branching fraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 251-259.	4.1	7
79	A new drift chamber TDC readout for the high intensity program of the NA48 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 493-494.	1.6	3
80	Measurement of the branching ratio and form factors for the decay $K_L^0 \rightarrow \pi^+ \pi^- e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 75-85.	4.1	4
81	Measurement of the branching ratio and form factors for the decay $K_L^0 \rightarrow \pi^+ \pi^- e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 75-85.	4.1	35
82	Measurement of the branching ratio and form factors for the decay $K_L^0 \rightarrow \pi^+ \pi^- e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 602, 41-51.	4.1	35
83	Measurement of the branching ratio of the decay and extraction of the CKM parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 602, 41-51.	4.1	49
84	The drift chamber electronics for the NA48 experiment. IEEE Transactions on Nuclear Science, 2004, 51, 1470-1474.	2.0	1
85	Investigation of $K_{\text{math}}\{L,S\} \rightarrow \pi^+ \pi^- e^+ e^-$ decays. European Physical Journal C, 2003, 30, 33-49.	3.9	32
86	Observation of the rare decay $K_S^0 \rightarrow \pi^+ \pi^- e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 576, 43-54.	4.1	46
87	Precise measurements of the $K_S^0 \rightarrow \pi^+ \pi^-$ and $K_L^0 \rightarrow \pi^+ \pi^-$ decay rates. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 7-15.	4.1	20
88	Search for the decay $K_S^0 \rightarrow \pi^+ \pi^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 556, 105-113.	4.1	8
89	New measurements of the K^0 and K^0 masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 196-206.	4.1	25
90	A measurement of the KS lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 537, 28-40.	4.1	12

#	ARTICLE	IF	CITATIONS
91	Precise measurement of the decay $KL \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 536, 229-240.	4.1	49
92	A precision measurement of direct CP violation in the decay of neutral kaons into two pions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 97-112.	4.1	179
93	A precise measurement of the direct CP violation parameter $\text{Re}(\epsilon'/\epsilon)$. European Physical Journal C, 2001, 22, 231-254.	3.9	102
94	Search for the decay $KS \rightarrow \pi^0 e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 514, 253-262.	4.1	12
95	Measurement of the quadratic slope parameter in the $KL \rightarrow \pi^0$ decay Dalitz plot. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 515, 261-268.	4.1	4
96	Na59 Experiment at CERN. International Journal of Modern Physics A, 2001, 16, 1071-1073.	1.5	5
97	A new measurement of the branching ratio of $KS \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 493, 29-35.	4.1	6
98	Observation of the decay $KS \rightarrow \pi^0 e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 496, 137-144.	4.1	11
99	Precision measurement of the χ^0 mass and the branching ratios of the decays $\chi^0 \rightarrow \pi^0 \gamma$ and $\chi^0 \rightarrow \pi^+ \pi^- \gamma$. European Physical Journal C, 2000, 12, 69-76.	3.9	14
100	The NA48 LKr calorimeter readout electronics. IEEE Transactions on Nuclear Science, 2000, 47, 136-141.	2.0	7
101	The NA48 event-building PC farm. IEEE Transactions on Nuclear Science, 2000, 47, 348-352.	2.0	4
102	Measurement of the decay rate and form factor parameter in the decay $KL \rightarrow \pi^+ e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 553-563.	4.1	13
103	A new measurement of direct CP violation in two pion decays of the neutral kaon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 335-348.	4.1	262
104	Control and synchronization of the krypton calorimeter pipeline digitizer in NA48 experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 427, 574-582.	1.6	4
105	Space charge in ionization detectors and the NA48 electromagnetic calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 75-89.	1.6	27
106	Direct search for light gluinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 117-124.	4.1	5
107	The NA48 LKr calorimeter digitizer electronics chain. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 680-685.	1.6	11
108	First measurement of the rate $K \rightarrow \pi \ell^+ \ell^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 411-418.	4.1	5

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109	Measurement of the branching ratios $\Gamma(\bar{p}p \rightarrow e^+e^-)$, $\Gamma(\bar{p}p \rightarrow \mu^+\mu^-)$, and $\Gamma(\bar{p}p \rightarrow \gamma\gamma)$. Physical Review D, 1997, 55, 1153-1158.	18	18
110	Two-body neutral final states produced in antiproton-proton annihilations at $2.911 < s < 3.686$ GeV. Physical Review D, 1997, 56, 2509-2531.	4.7	17
111	Measurement of the decay rate and the parameter α_{K^*} of the decay $K^* \rightarrow \mu^+\mu^-$. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 653-657.	1.5	6
112	Performance of an electromagnetic liquid krypton calorimeter based on a ribbon electrode tower structure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 413-424.	1.6	53
113	Precision measurements of antiproton-proton forward elastic scattering parameters in the 3.7 to 6.2 GeV/c region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 479-486.	4.1	17
114	Observation of the radiative decay $\chi_{c1} \rightarrow e^+e^-$. Physical Review D, 1996, 54, 7067-7070.	4.7	10
115	Study of the $\chi_{c1}(11S0)$ state of charmonium formed in $\bar{p}p$ annihilations and a search for the $\chi_{c1}(21S0)$. Physical Review D, 1995, 52, 4839-4854.	4.7	32
116	Performance of an electromagnetic liquid krypton calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 344, 507-520.	1.6	12
117	Evidence for χ_{c1} resonances in antiproton-proton annihilations at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 394-398.	4.1	52
118	Light quark spectroscopy at the Fermilab antiproton accumulator. Nuclear Physics A, 1993, 558, 53-61.	1.5	1
119	Production of the $f_2(1520)$ resonance in antiproton-proton annihilations at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 399-402.	4.1	18
120	Charmonium formation in annihilation by experiment E760. Nuclear Physics A, 1993, 558, 259-267.	1.5	0
121	Study of the angular distribution of the reaction $p\bar{p} \rightarrow \chi_{c1} \rightarrow e^+e^-$. Physical Review D, 1993, 48, 3037-3044.	4.7	30
122	Proton electromagnetic form factors in the timelike region from 8.9 to 13.0 GeV ² . Physical Review Letters, 1993, 70, 1212-1215.	7.8	113
123	Measurement of the $\Gamma_{\chi_{c1}}$ partial width of the χ_{c1} charmonium resonance. Physical Review Letters, 1993, 70, 2988-2991.	7.8	32
124	Measurement of the χ_{c1} and χ_{c2} resonance parameters in $\bar{p}p$ annihilation. Physical Review D, 1993, 47, 772-783.	4.7	60
125	Observation of the $1P1$ state of charmonium. Physical Review Letters, 1992, 69, 2337-2340.	7.8	133