

Fernando BarÃ£o

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6389681/publications.pdf>

Version: 2024-02-01

187
papers

11,355
citations

47006

47
h-index

30922

102
g-index

187
all docs

187
docs citations

187
times ranked

9001
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	25.6	974
2	First Result from the Alpha Magnetic Spectrometer on the International Space Station: Precision Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5–350 GeV. Physical Review Letters, 2013, 110, 141102.	7.8	852
3	Precision Measurement of the Proton Flux in Primary Cosmic Rays from Rigidity 1.8 GV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 114, 171103.	7.8	655
4	High Statistics Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5–500 GeV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121101.	7.8	428
5	Electron and Positron Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121102.	7.8	397
6	Precision Measurement of the Helium Flux in Primary Cosmic Rays of Rigidities 1.9 GV to 3 TV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 115, 211101.	7.8	369
7	The Alpha Magnetic Spectrometer (AMS) on the International Space Station: Part I – results from the test flight on the space shuttle. Physics Reports, 2002, 366, 331-405.	25.6	366
8	Antiproton Flux, Antiproton-to-Proton Flux Ratio, and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 091103.	7.8	295
9	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	1.6	294
10	Cosmic-ray positron fraction measurement from 1 to 30 GeV with AMS-01. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 145-154.	4.1	269
11	Cosmic protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 27-35.	4.1	242
12	Precision Measurement of the $\frac{e^+}{e^-}$ Ratio in Cosmic Rays from 0.5 to 350 GeV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 221102.	7.8	238
13	Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9 GV to 2.6 TV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 231102.	7.8	236
14	Leptons in near earth orbit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 484, 10-22.	4.1	224
15	Observation of the Identical Rigidity Dependence of He, C, and O Cosmic Rays at High Rigidities by the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2017, 119, 251101.	7.8	204
16	Measurement of the mass and width of the Z ₀ -particle from multihadronic final states produced in e ⁺ e ⁻ annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 539-547.	4.1	200
17	Protons in near earth orbit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 215-226.	4.1	175
18	Towards Understanding the Origin of Cosmic-Ray Positrons. Physical Review Letters, 2019, 122, 041102.	7.8	174

#	ARTICLE	IF	CITATIONS
19	Observation of New Properties of Secondary Cosmic Rays Lithium, Beryllium, and Boron by the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 120, 021101.	7.8	172
20	Volume I. Introduction to DUNE. <i>Journal of Instrumentation</i> , 2020, 15, T08008-T08008.	1.2	168
21	Helium in near Earth orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 494, 193-202.	4.1	145
22	Towards Understanding the Origin of Cosmic-Ray Electrons. <i>Physical Review Letters</i> , 2019, 122, 101101.	7.8	109
23	Observation of Fine Time Structures in the Cosmic Proton and Helium Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051101.	7.8	98
24	Study of hadronic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 240, 271-282.	4.1	90
25	Volume IV. The DUNE far detector single-phase technology. <i>Journal of Instrumentation</i> , 2020, 15, T08010-T08010.	1.2	86
26	POLAR, a compact detector for gamma-ray bursts photon polarization measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 550, 616-625.	1.6	81
27	A study of intermittency in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 137-147.	4.1	71
28	First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform. <i>Journal of Instrumentation</i> , 2020, 15, P12004-P12004.	1.2	69
29	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 322.	3.9	69
30	Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051103.	7.8	68
31	Additional two-loop contributions to electric dipole moments in supersymmetric theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 478, 239-246.	4.1	67
32	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1991, 367, 511-574.	2.5	65
33	Search for the Standard Model Higgs boson at LEP in the year 2000. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 499, 23-37.	4.1	65
34	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , 1994, 418, 403-427.	2.5	64
35	A comparison of jet production rates on the Z0 resonance to perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 167-176.	4.1	63
36	Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. <i>Physical Review Letters</i> , 2018, 121, 051102.	7.8	62

#	ARTICLE	IF	CITATIONS
37	Supernova neutrino burst detection with the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	62
38	A search for sleptons and gauginos in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 157-166.	4.1	61
39	A precise measurement of the Z resonance parameters through its hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 435-448.	4.1	56
40	Charged particle multiplicity distributions in restricted rapidity intervals in Z^0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991, 52, 271-281.	1.5	52
41	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 485, 45-61.	4.1	51
42	Search for light neutral Higgs particles produced in Z^0 -decays. <i>Nuclear Physics B</i> , 1990, 342, 1-14.	2.5	50
43	RELATIVE COMPOSITION AND ENERGY SPECTRA OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. <i>Astrophysical Journal</i> , 2010, 724, 329-340.	4.5	50
44	$b\bar{b}$ at MZ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 418, 430-442.	4.1	48
45	Energy dependence of event shapes and of $\langle \hat{b} \pm s \rangle$ at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 456, 322-340.	4.1	48
46	Search for pair production of neutral Higgs bosons in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 245, 276-288.	4.1	47
47	Inclusive measurements of the production in hadronic Z^0 decays. <i>Nuclear Physics B</i> , 1995, 444, 3-26.	2.5	47
48	Production of \hat{b} and \hat{b} correlations in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 318, 249-262.	4.1	45
49	The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of CA/CF. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 449, 383-400.	4.1	44
50	Evidence for a Time Lag in Solar Modulation of Galactic Cosmic Rays. <i>Astrophysical Journal Letters</i> , 2017, 849, L32.	8.3	44
51	Production of strange particles in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 275, 231-242.	4.1	43
52	Non-parametric determination of H and He interstellar fluxes from cosmic-ray data. <i>Astronomy and Astrophysics</i> , 2016, 591, A94.	5.1	43
53	Measurement and interpretation of the W-pair cross-section in $e^+e^- \rightarrow W^+W^-$ interactions at 161 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 397, 158-170.	4.1	42
54	Experimental study of the triple-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 255, 466-476.	4.1	41

#	ARTICLE	IF	CITATIONS
55	Determination of $\hat{\Gamma}_S$ from the scaling violation in the fragmentation functions in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 408-424.	4.1	41
56	Energy-energy correlations in hadronic final states from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 149-158.	4.1	40
57	Search for heavy charged scalars in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 449-458.	4.1	38
58	A search for neutral Higgs particles in Z0 decays. Nuclear Physics B, 1992, 373, 3-34.	2.5	38
59	Evidence for B _S meson production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 199-210.	4.1	38
60	Production of charged particles, K _S ⁰ , K _A [±] , p and $\hat{\Gamma}$ in events and in the decay of b hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 347, 447-466.	4.1	38
61	In-beam aerogel light yield characterization for the AMS RICH detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 237-249.	1.6	38
62	ISOTOPIC COMPOSITION OF LIGHT NUCLEI IN COSMIC RAYS: RESULTS FROM AMS-01. Astrophysical Journal, 2011, 736, 105.	4.5	37
63	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 383-395.	4.1	36
64	Measurement of the spin density matrix for the $\hat{\Gamma}_0$, K _A [±] (892) and F produced in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 271-286.	4.1	35
65	Measurement of V _{cb} from the decay process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 55-74.	4.1	35
66	Measurement of the triple-gluon vertex from 4-jet events at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 357-368.	1.5	34
67	The reaction $e^+e^- \rightarrow \hat{\Gamma}^+ \hat{\Gamma}^0(\hat{\Gamma}^3)$ at Z0 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304.	4.1	32
68	Energy dependence of inclusive spectra in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 397-411.	4.1	32
69	Search for Leptoquarks and FCNC in e^+e^- annihilations at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 62-74.	4.1	31
70	Two-dimensional analysis of the Bose-Einstein correlations in e^+e^- annihilation at the Z0 peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 471, 460-470.	4.1	31
71	Study of the leptonic decays of the Z0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 425-434.	4.1	30
72	Measurement of the $e^+e^- \rightarrow \hat{\Gamma}^+ \hat{\Gamma}^0(\hat{\Gamma}^3)$ cross section at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 386-396.	4.1	30

#	ARTICLE	IF	CITATIONS
73	Measurement of inclusive production of light meson resonances in hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 236-246.	4.1	29
74	Measurement of trilinear gauge couplings in e^+e^- collisions at 161 GeV and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 194-206.	4.1	29
75	Measurement of trilinear gauge boson couplings WWV , ($V = \gamma, Z, \hat{A}$) in e^+e^- collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 9-23.	4.1	29
76	Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37.	2.5	28
77	Observation of short range three-particle correlations in e^+e^- annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 415-424.	4.1	28
78	Charged particle multiplicity in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 172-180.	4.1	28
79	Search for the Bc meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.	4.1	28
80	A study of the hadronic resonance structure in the decay $\tilde{\chi}_1^0 \rightarrow 3\tilde{\ell}^{1/2}\tilde{\ell}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 411-427.	4.1	28
81	Measurement of $\hat{t}b$ production and lifetime in Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 379-390.	4.1	26
82	Study of rare b decays with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 207-220.	1.5	26
83	Search for exclusive decays of the $\hat{t}b$ baryon and measurement of its mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 351-361.	4.1	26
84	Search for scalar quarks in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 148-156.	4.1	25
85	A search for heavy stable and long-lived squarks and sleptons in e^+e^- collisions at energies from 130 to 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 491-502.	4.1	25
86	Search for a fermiophobic Higgs at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 89-103.	4.1	25
87	Volume III. DUNE far detector technical coordination. Journal of Instrumentation, 2020, 15, T08009-T08009.	1.2	25
88	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. Nuclear Physics B, 1994, 417, 3-57.	2.5	24
89	Measurement of correlations between pions from different W's in $e^+e^- \rightarrow \hat{t}^*W+W\hat{a}^*$ events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 181-191.	4.1	24
90	Measurement of $\frac{\Gamma_{\bar{b}}}{\Gamma_{had}}$ using impact parameter measurements and lepton identification. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 323-339.	1.5	23

#	ARTICLE	IF	CITATIONS
91	Testing Diffusion of Cosmic Rays in the Heliosphere with Proton and Helium Data from AMS. Physical Review Letters, 2018, 121, 251104.	7.8	23
92	Measurement of the $\langle \sigma_{\text{had}} \rangle$ at the Z resonance. Physical Review Letters, 1992, 68, 222-230.	4.7	23
93	Measurement of the partial width of the Z into b final states using their semi-leptonic decays. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 47-61.	1.5	22
94	Search for scalar leptoquarks from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 222-230.	4.1	22
95	Measurement of $ V_{cs} $ using W decays at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 209-224.	4.1	22
96	Measurement of inclusive π^0 , $f_0(980)$, $f_2(1270)$, K and $\eta(1525)$ production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 364-382.	4.1	22
97	Measurements of the trilinear gauge boson couplings WWV ($V = \gamma, Z$) in e^+e^- collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 382-396.	4.1	22
98	Prototype study of the Cherenkov imager of the AMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 560, 291-302.	1.6	22
99	Measurements of the $\rho_{\pi\pi}$ polarisation in Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 183-201.	1.5	21
100	Kaon interference in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 330-340.	4.1	21
101	Measurement of the multiplicity of gluons splitting to bottom quark pairs in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 405, 202-214.	4.1	21
102	W pair production cross-section and W branching fractions in e^+e^- interactions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 89-100.	4.1	21
103	Measurement of the partial width of the decay of the Z0 into charm quark pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 140-148.	4.1	20
104	Search for invisible modes of nucleon decay in water with the SNO+ detector. Physical Review D, 2019, 99, .	4.7	20
105	Determination of $\hat{\Gamma}_S$ for b quarks at the Z0 resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 221-236.	4.1	19
106	Search for stable heavy charged particles in e^+e^- collisions at , 161 and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 396, 315-326.	4.1	19
107	Characterization study of silica aerogel for Cherenkov imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 184-195.	1.6	19
108	Neutrino interaction classification with a convolutional neural network in the DUNE far detector. Physical Review D, 2020, 102, .	4.7	19

#	ARTICLE	IF	CITATIONS
109	AMS-02 Alpha Magnetic Spectrometer on the International Space Station. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 134-138.	1.6	19
110	Search for the t and b' quarks in hadronic decays of the Z^0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 242, 536-546.	4.1	18
111	A measurement of $\hat{\Gamma}_{\pm s}$ from the scaling violation in $e^+e^- \rightarrow$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 194-206.	4.1	18
112	A search for $\hat{\Gamma}_{\pm c}$ production in photon-photon fusion at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 441, 479-490.	4.1	18
113	Hadronization properties of b quarks compared to light quarks in from 183 to 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 118-128.	4.1	18
114	A measurement of the lifetime of the tau lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 422-430.	4.1	17
115	A measurement of the tau lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 356-368.	4.1	17
116	Measurement of the forward-backward asymmetry of $e^+e^- \rightarrow e^+e^-Z^0$ using prompt leptons and a lifetime tag. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 569-585.	1.5	17
117	A study of B^0 mixing using semileptonic decays of B hadrons produced from Z^0 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 301, 145-154.	4.1	16
118	Measurement of the $\Gamma_{\bar{b}}/\Gamma_{\text{had}}$ branching ratio of τ by double hemisphere tagging. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 555-568.	1.5	16
119	A precise measurement of the tau lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 448-460.	4.1	16
120	Search for the lightest chargino at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 382, 323-336.	4.1	16
121	A measurement of the mean lifetimes of charged and neutral B -hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 253-266.	4.1	15
122	Charged kaon production in tau decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 435-449.	4.1	15
123	Determination of the $e^+e^- \rightarrow \tau^+\tau^-3\gamma$ cross-section at centre-of-mass energies ranging from 189 GeV to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 67-80.	4.1	15
124	In-beam tests of the AMS RICH prototype with secondary ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 126-131.	1.6	15
125	A measurement of the B_s^0 meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 500-508.	4.1	14
126	Lifetime of charged and neutral B hadrons using event topology. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 363-374.	1.5	14

#	ARTICLE	IF	CITATIONS
127	Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 651-666.	4.1	14
128	Observation of charge-ordering in particle production in hadronic Z0 decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 174-184.	4.1	14
129	Charged particle multiplicity in events at 161 and 172 GeV and from the decay of the W boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 233-246.	4.1	14
130	Search for charginos, neutralinos and gravitinos in e^+e^- interactions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 75-91.	4.1	14
131	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 498-506.	4.1	13
132	Measurement of time dependent mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 409-420.	4.1	13
133	B^* production in Z decays. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 353-362.	1.5	13
134	Measurement of $\tilde{\chi}^{++}(1232)$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 207-220.	4.1	13
135	Search for heavy neutral Higgs bosons in two-doublet models. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 69-79.	1.5	13
136	Measurement of the branching fraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 407-428.	4.1	13
137	Dual gluons and monopoles in 2+1 dimensional Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 373-378.	4.1	13
138	Search for R-parity violation with a coupling at \hat{A} GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 22-36.	4.1	13
139	Production of strange B-baryons decaying into $\tilde{\chi}^{\pm}\tilde{\chi}^{\mp}$ pairs at LEP. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 541-553.	1.5	12
140	First evidence of hard scattering processes in single tagged $\tilde{\chi}^{\pm}\tilde{\chi}^{\mp}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 402-416.	4.1	12
141	Measurement of the $e^+e^- \rightarrow \tilde{\chi}^{\pm}\tilde{\chi}^{\mp}(\tilde{\chi}^{\pm})$ cross section at the LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 429-440.	4.1	12
142	Limits on the masses of supersymmetric particles at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 38-54.	4.1	12
143	Study of $\{\mathrm{B}^0_s\}\text{-}\overline{\{\mathrm{B}^0_s\}}$ oscillations and $\{\mathrm{B}^0_s\}$ lifetimes using hadronic decays of $\{\mathrm{B}^0_s\}$ mesons. European Physical Journal C, 2000, 18, 229-252.	3.9	12
144	The Ring Imaging Cherenkov detector of the AMS experiment: test beam results with a prototype. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 32-35.	0.4	12

#	ARTICLE	IF	CITATIONS
145	Numerical modeling of cosmic-ray transport in the heliosphere and interpretation of the proton-to-helium ratio in Solar Cycle 24. <i>Advances in Space Research</i> , 2019, 64, 2477-2489.	2.6	12
146	Inclusive $\hat{\chi}^{\pm}$ and $\hat{\chi}^0(1520)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 475, 429-447.	4.1	11
147	Update of the search for charginos nearly mass-degenerate with the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 485, 95-106.	4.1	11
148	Search for spontaneous R-parity violation at \hat{A} GeV and $189\hat{A}$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 502, 24-36.	4.1	11
149	Measurement of the mixing parameter in DELPHI. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 332, 488-500.	4.1	10
150	A measurement of the $\hat{\tau}$, leptonic branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 357, 715-724.	4.1	10
151	Search for excited leptons in e^+e^- collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 393, 245-260.	4.1	10
152	Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s}=172$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 420, 140-156.	4.1	10
153	A study of the reaction $e^+e^- \rightarrow \hat{\tau}^+ \hat{\nu}_{\tau} + \hat{\nu}_{\tau} \hat{\tau}^-$ around the Z0 pole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 260, 240-248.	4.1	9
154	Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 281, 383-393.	4.1	9
155	A search for lepton flavour violation in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 298, 247-256.	4.1	9
156	Upper limits on the branching ratios $\hat{\tau}^+ \rightarrow \hat{\nu}_{\tau} \hat{\nu}_{\tau}^0$ and $\hat{\tau}^+ \rightarrow e \hat{\nu}_{\tau}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 359, 411-421.	4.1	9
157	W pair production cross-section and W branching fractions in e^+e^- interactions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 456, 310-321.	4.1	8
158	Search for charginos in e^+e^- interactions at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 479, 129-143.	4.1	8
159	Single intermediate vector boson production in e^+e^- collisions at $\sqrt{s}=183$ and $189\hat{A}$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 515, 238-254.	4.1	8
160	Search for Z0 decays to two leptons and a charged particle-antiparticle pair. <i>Nuclear Physics B</i> , 1993, 403, 3-24.	2.5	7
161	Search for the sgoldstino at from 189 to $202\hat{A}$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 494, 203-214.	4.1	7
162	The AMS-01 Aerogel Threshold Cherenkov counter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 465, 306-317.	1.6	7

#	ARTICLE	IF	CITATIONS
163	Multiplicity dependence of mean transverse momentum in e^+e^- annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 254-262.	4.1	6
164	A measurement of B^+ and B^0 lifetimes using $\pi^+ \pi^0$ events. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 13-23.	1.5	6
165	First measurement of $f_2(1525)$ production in Z^0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 309-318.	4.1	6
166	Two-particle angular correlations in e^+e^- interactions compared with QCD predictions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 203-216.	4.1	6
167	A search for invisible Higgs bosons produced in e^+e^- interactions at LEP 2 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 367-381.	4.1	6
168	Direct observation of longitudinally polarised W^\pm bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 194-204.	4.1	6
169	Measurement of the ZZ cross-section in e^+e^- interactions at $183 \leq \sqrt{s} \leq 189$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 199-213.	4.1	6
170	Cherenkov angle and charge reconstruction with the RICH detector of the AMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 310-314.	1.6	6
171	Lifetime and production rate of beauty baryons from Z decays. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 375-390.	1.5	5
172	Measurement of the forward-backward asymmetry of charm and bottom quarks at the Z pole using $D^{*1/2}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 341-354.	1.5	5
173	Search for B_s^0 -oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 382-400.	4.1	5
174	Cherenkov detectors in the alpha magnetic spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 454, 174-179.	1.6	5
175	Measurement of the transverse spin correlation in $Z \rightarrow \bar{l}_s l_s$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 404, 194-206.	4.1	4
176	Update of the search for supersymmetric particles in scenarios with gravitino LSP and sleptons NLSP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 34-48.	4.1	4
177	GETFOCOS for imaging atmospheric Cherenkov telescopes: A GEANT4 tool for optimization and characterization of an optical system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 282-288.	1.6	4
178	Search for high mass $\tilde{\chi}_1^0$ resonances in $e^+e^- \rightarrow \ell^+ \ell^- \gamma \gamma$, $e^+e^- \rightarrow \ell^+ \ell^- \gamma \gamma$ and $e^+e^- \rightarrow \ell^+ \ell^- \gamma \gamma$ at LEP I. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 179-190.	1.5	3
179	Rapidity-rank structure of pairs in hadronic Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 61-70.	4.1	3
180	A measurement of the photon structure function F_2^{γ} at an average Q^2 of 12 GeV ² /c ⁴ . Zeitschrift für Physik C-Particles and Fields, 1995, 69, 223-233.	1.5	2

#	ARTICLE	IF	CITATIONS
181	First measurement of the strange quark asymmetry at the Z0 peak. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 1-13.	1.5	2
182	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 321-332.	1.4	2
183	Wide field compact detector for hard x-ray polarization measurements. , 2006, , .		2
184	Observation of a time lag in solar modulation of cosmic rays in the heliosphere. Journal of Physics: Conference Series, 2019, 1181, 012013.	0.4	2
185	An upper limit for $Br(Z0 \rightarrow ggg)$ from symmetric 3-jet Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 405-415.	4.1	1
186	DELPHI's central partition. Computer Physics Communications, 1989, 57, 358-363.	7.5	0
187	POLAR: A compact detector for GRB polarization measurements. Nuclear Physics, Section B, Proceedings Supplements, 2007, 166, 273-275.	0.4	0