

# Jan Ridky

## List of Publications by Year in descending order

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358  
papers

15,989  
citations

36303

51  
h-index

21540

114  
g-index

362  
all docs

362  
docs citations

362  
times ranked

9875  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Search for the Standard Model Higgs boson at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 61-75.  | 4.1  | 1,175     |
| 2  | Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.  | 25.6 | 974       |
| 3  | Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.  | 12.6 | 647       |
| 4  | Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.   | 3.9  | 592       |
| 5  | Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.  | 4.3  | 504       |
| 6  | Observation of the Suppression of the Flux of Cosmic Rays above $4 \times 10^{19}$ eV. Physical Review Letters, 2008, 101, 061101.   | 7.8  | 500       |
| 7  | Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.   | 25.6 | 453       |
| 8  | Measurement of the Depth of Maximum of Extensive Air Showers above $18 \times 10^{18}$ eV. Physical Review Letters, 2010, 104, 091101.   | 7.8  | 429       |
| 9  | Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.                  | 4.1  | 357       |
| 10 | Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.   | 4.3  | 305       |
| 11 | 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       |
| 12 | The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.            | 1.6  | 275       |
| 13 | Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.  | 4.3  | 270       |
| 14 | Search for neutral heavy leptons produced in Z decays. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 57-71.   | 1.5  | 259       |
| 15 | Searches for supersymmetric particles in e + e- collisions up to 208 GeV and interpretation of the results within the MSSM. European Physical Journal C, 2003, 31, 421-479.  | 3.9  | 221       |
| 16 | Measurement of the Proton-Air Cross Section at $\sqrt{s} = 57$ TeV. the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.  | 7.8  | 212       |
| 17 | Measurement of the mass and width of the Z0-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       |
| 18 | Tuning and test of fragmentation models based on identified particles and precision event shape data. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 11-59.  | 1.5  | 172       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008, 29, 243-256.   | 4.3 | 161       |
| 20 | Photon events with missing energy in $e^+e^-$ collisions at $\sqrt{s} = \sqrt{130}$ to 209 GeV. <i>European Physical Journal C</i> , 2005, 38, 395-411.  | 3.9 | 156       |
| 21 | Trigger and aperture of the surface detector array of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 29-39.   | 1.6 | 151       |
| 22 | Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2008, 100, 211101.   | 7.8 | 141       |
| 23 | Study of tau-pair production in photon-photon collisions at LEP and limits on the anomalous electromagnetic moments of the tau lepton. <i>European Physical Journal C</i> , 2004, 35, 159-170.   | 3.9 | 118       |
| 24 | Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009, 31, 399-406.   | 4.3 | 117       |
| 25 | Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. <i>Physical Review D</i> , 2009, 79, .  | 4.7 | 99        |
| 26 | Searches for neutral Higgs bosons in extended models. <i>European Physical Journal C</i> , 2004, 38, 1-28.   | 3.9 | 96        |
| 27 | Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P10011-P10011.   | 1.2 | 95        |
| 28 | Measurement of the pressure dependence of air fluorescence emission induced by electrons. <i>Astroparticle Physics</i> , 2007, 28, 41-57.  | 4.3 | 91        |
| 29 | An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 155-168.   | 4.3 | 90        |
| 30 | Search for charged Higgs bosons at LEP in general two Higgs doublet models. <i>European Physical Journal C</i> , 2004, 34, 399-418.  | 3.9 | 87        |
| 31 | A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2010, 33, 108-129.  | 4.3 | 84        |
| 32 | Search for lepton flavour number violating $Z^0$ -decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997, 73, 243-251.  | 1.5 | 78        |
| 33 | A study of the energy evolution of event shape distributions and their means with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2003, 29, 285-312.  | 3.9 | 77        |
| 34 | Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 345, 598-608.   | 4.1 | 76        |
| 35 | LHC1: A semiconductor pixel detector readout chip with internal, tunable delay providing a binary pattern of selected events. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 383, 55-63. | 1.6 | 75        |
| 36 | Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 627-639.  | 4.3 | 73        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Title is missing!. European Physical Journal C, 1998, 5, 585.  | 3.9 | 73        |
| 38 | Bose-Einstein correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 201-210.   | 4.1 | 69        |
| 39 | CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE $10^{18}$ eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. Astrophysical Journal Letters, 2013, 762, L13.   | 8.3 | 67        |
| 40 | Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). Astroparticle Physics, 2012, 35, 591-607.  | 4.3 | 66        |
| 41 | Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. Nuclear Physics B, 1991, 367, 511-574.   | 2.5 | 65        |
| 42 | Search for the Standard Model Higgs boson at LEP in the year 2000. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 23-37.   | 4.1 | 65        |
| 43 | Improved measurements of cross sections and asymmetries at the Z0 resonance. Nuclear Physics B, 1994, 418, 403-427.  | 2.5 | 64        |
| 44 | Search for doubly charged Higgs bosons at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 552, 127-137.  | 4.1 | 63        |
| 45 | Energy dependence of the differences between the quark and gluon jet fragmentation. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 179-195.  | 1.5 | 60        |
| 46 | A precise measurement of the Z resonance parameters through its hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 435-448.   | 4.1 | 56        |
| 47 | SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. Astrophysical Journal Letters, 2012, 755, L4.  | 8.3 | 55        |
| 48 | The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.   | 4.3 | 54        |
| 49 | b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 185-208.  | 3.9 | 53        |
| 50 | Search for one large extra dimension with the DELPHI detector at LEP. European Physical Journal C, 2009, 60, 17-23.  | 3.9 | 53        |
| 51 | Measurement of the mass and width of the W boson in e+e- collisions at $\sqrt{s} = 161$ – $209$ GeV. European Physical Journal C, 2008, 55, 1.   | 3.9 | 52        |
| 52 | Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, 92-102. | 1.6 | 52        |
| 53 | Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 45-61.  | 4.1 | 51        |
| 54 | Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. Astroparticle Physics, 2007, 27, 244-253.  | 4.3 | 51        |

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|----|--|-----|-----------|
| 55 | Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .  | 4.7 | 51        |
| 56 | First operation of a 72 k element hybrid silicon micropattern pixel detector array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 138-155. | 1.6 | 49        |
| 57 | Photon events with missing energy at $\sqrt{s} = 183$ to 189 GeV. European Physical Journal C, 2000, 17, 53-65.  | 3.9 | 49        |
| 58 | Single intermediate vector boson production in $e^+e^-$ collisions * at $\sqrt{s} = 183$ -209 GeV. European Physical Journal C, 2006, 45, 273-289.   | 3.9 | 49        |
| 59 | mb at MZ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 430-442.  | 4.1 | 48        |
| 60 | Energy dependence of event shapes and of $\hat{t}\bar{t}$ at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 322-340.  | 4.1 | 48        |
| 61 | Search for pair production of neutral Higgs bosons in $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288.  | 4.1 | 47        |
| 62 | Inclusive measurements of the production in hadronic $Z^0$ decays. Nuclear Physics B, 1995, 444, 3-26.   | 2.5 | 47        |
| 63 | The DELPHI Silicon Tracker at LEP2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 412, 304-328.   | 1.6 | 47        |
| 64 | Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. Astroparticle Physics, 2007, 28, 273-286.  | 4.3 | 47        |
| 65 | Production of $\hat{b}$ and $\hat{b}$ correlations in the hadronic decays of the $Z^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 249-262.   | 4.1 | 45        |
| 66 | The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of $C_A/C_F$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 383-400.                 | 4.1 | 44        |
| 67 | LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE $10^{18}$ eV AT THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, Supplement Series, 2012, 203, 34.  | 7.7 | 44        |
| 68 | Production of strange particles in the hadronic decays of the $Z^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 231-242.  | 4.1 | 43        |
| 69 | Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.   | 4.3 | 43        |
| 70 | Measurement and interpretation of the W-pair cross-section in $e^+e^-$ interactions at 161 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 397, 158-170.                                    | 4.1 | 42        |
| 71 | Evidence for an excess of soft photons in hadronic decays of $Z^0$ . European Physical Journal C, 2006, 47, 273-294.   | 3.9 | 42        |
| 72 | Determination of $\hat{t}\bar{t}$ 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        |

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|----|--|-----|-----------|
| 73 | Search for new phenomena using single photon events at LEP1. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 577-586.   | 1.5 | 41        |
| 74 | Study of W-boson polarisations and triple gauge boson couplings in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP 2. European Physical Journal C, 2008, 54, 345-364.  | 3.9 | 41        |
| 75 | Search for single top production via FCNC at LEP at $\sqrt{s}=189\text{--}208\text{ GeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 21-34.  | 4.1 | 39        |
| 76 | Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance. European Physical Journal C, 2006, 45, 589-632.   | 3.9 | 39        |
| 77 | Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. Advances in High Energy Physics, 2013, 2013, 1-18.   | 1.1 | 39        |
| 78 | Measurement of the W-pair cross-section and of the W mass in. European Physical Journal C, 1998, 2, 581.   | 3.9 | 39        |
| 79 | 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        |
| 80 | A search for neutral Higgs particles in Z0 decays. Nuclear Physics B, 1992, 373, 3-34.   | 2.5 | 38        |
| 81 | Evidence for B <sub>S</sub> meson production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 199-210.   | 4.1 | 38        |
| 82 | Production of charged particles, K <sub>S</sub> <sup>0</sup> , K <sup>±</sup> , p and $\bar{p}$ 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        |
| 83 | First evidence for a charm radial excitation, D. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 231-242.   | 4.1 | 37        |
| 84 | Study of inclusive $J/\psi$ production in two-photon collisions at LEP with the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 76-86.   | 4.1 | 37        |
| 85 | Precise measurement of the absolute fluorescence yield of the 337nm band in atmospheric gases. Astroparticle Physics, 2013, 42, 90-102.  | 4.3 | 37        |
| 86 | 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        |
| 87 | Final results from DELPHI on the searches for SM and MSSM neutral Higgs bosons. European Physical Journal C, 2004, 32, 145-183.  | 3.9 | 36        |
| 88 | Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays. European Physical Journal C, 2006, 45, 35-59.   | 3.9 | 36        |
| 89 | Measurement of the spin density matrix for the $J/\psi \rightarrow 0(892)$ and F produced in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 271-286.                                  | 4.1 | 35        |
| 90 | Measurement of V <sub>cb</sub> from the decay process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 55-74.   | 4.1 | 35        |

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|-----|---|-----|-----------|
| 91  | Searches for invisibly decaying Higgs bosons with the DELPHI detector at LEP. European Physical Journal C, 2004, 32, 475-492.   | 3.9 | 35        |
| 92  | 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        |
| 93  | Determination of $ V_{cb} $ from the semileptonic decay $B \rightarrow D^* \ell^+ \nu_\ell$ . Zeitschrift für Physik C-Particles and Fields, 1996, 71, 539-553.   | 1.5 | 34        |
| 94  | Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory. European Physical Journal Plus, 2012, 127, 1.  | 2.6 | 34        |
| 95  | Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 009-009.   | 5.4 | 34        |
| 96  | Study of the dependence of direct soft photon production on the jet characteristics in hadronic Z <sup>0</sup> decays. European Physical Journal C, 2010, 67, 343-366.  | 3.9 | 33        |
| 97  | A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z <sup>0</sup> Pole. European Physical Journal C, 2011, 71, 1.                           | 3.9 | 33        |
| 98  | Measurement of the gluon fragmentation function and a comparison of the scaling violation in gluon and quark jets. European Physical Journal C, 2000, 13, 573.  | 3.9 | 33        |
| 99  | The reaction $e^+e^- \rightarrow \tau^+ \tau^- \gamma$ at Z <sup>0</sup> energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304.                              | 4.1 | 32        |
| 100 | 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        |
| 101 | Measurement of the $e^+ + e^- \rightarrow W^+ + W^- \gamma$ cross-section and limits on anomalous quartic gauge couplings with DELPHI. European Physical Journal C, 2003, 31, 139-147.                                | 3.9 | 32        |
| 102 | Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. Astroparticle Physics, 2012, 35, 354-361.   | 4.3 | 32        |
| 103 | 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        |
| 104 | Two-dimensional analysis of the Bose-Einstein correlations in $e^+e^-$ annihilation at the Z <sup>0</sup> peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 471, 460-470. | 4.1 | 31        |
| 105 | The measurement of $\alpha_s$ from event shapes with the DELPHI detector at the highest LEP energies. European Physical Journal C, 2004, 37, 1-23.  | 3.9 | 31        |
| 106 | Study of the leptonic decays of the Z <sup>0</sup> boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 425-434.   | 4.1 | 30        |
| 107 | Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- \gamma$ cross section at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 386-396.                     | 4.1 | 30        |
| 108 | A measurement of the photon structure function $F_2^\gamma$ at an average $\sqrt{Q^2}$ of 12 GeV $\sqrt{s}/c^4$ . Zeitschrift für Physik C-Particles and Fields, 1996, 69, 223-233.                                   | 1.5 | 30        |



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|-----|---|-----|-----------|
| 109 | Measurement of the W-pair production cross-section and W branching ratios in $e^+e^-$ collisions at $\sqrt{s} = 161\text{--}209$ GeV. European Physical Journal C, 2004, 34, 127-144.   | 3.9 | 30        |
| 110 | Temperature and humidity dependence of air fluorescence yield measured by AIRFLY. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 597, 50-54.  | 1.6 | 30        |
| 111 | A precise measurement of the partial decay width ratio. European Physical Journal C, 1999, 10, 415.   | 3.9 | 30        |
| 112 | Limits on the production of scalar leptoquarks from Z0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 620-630.   | 4.1 | 29        |
| 113 | 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        |
| 114 | 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        |
| 115 | Measurement of trilinear gauge boson couplings $WWV$ , ( $V = Z, \hat{1}^3$ ) 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        |
| 116 | $J/\psi$ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122.  | 4.1 | 28        |
| 117 | Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37.   | 2.5 | 28        |
| 118 | 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        |
| 119 | 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        |
| 120 | Search for the Bc meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.  | 4.1 | 28        |
| 121 | A study of the hadronic resonance structure in the decay $\bar{B}_d^0 \rightarrow \pi^0 \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 411-427.  | 4.1 | 28        |
| 122 | Measurement of the $\mathcal{B}(\bar{B}_d^0 \rightarrow \pi^0 \pi^0)$ lifetime and study of $\mathcal{B}(\bar{B}_d^0 \rightarrow \pi^0 \pi^0)$ - $\mathcal{B}(\bar{B}_d^0 \rightarrow \pi^0 \pi^0)$ oscillations using $\mathcal{B}(\bar{B}_d^0 \rightarrow \pi^0 \pi^0)$ events. European Physical Journal C, 2000, 16, 555-578. | 3.9 | 28        |
| 123 | Measurement of the $\hat{b}0$ decay form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 63-84.  | 4.1 | 28        |
| 124 | A measurement of $\sin 2\hat{1}_w$ from the charge asymmetry of hadronic events at the Z0 peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 371-382.   | 4.1 | 27        |
| 125 | The bright optical flash from GRB 060117. Astronomy and Astrophysics, 2006, 454, L119-L122.   | 5.1 | 27        |
| 126 | A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal, 2012, 760, 148.  | 4.5 | 27        |



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|-----|---|-----|-----------|
| 127 | Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.   | 5.4 | 27        |
| 128 | Search for composite and exotic fermions at LEP 2. European Physical Journal C, 1999, 8, 41.  | 3.9 | 27        |
| 129 | Measurement and interpretation of fermion-pair production at LEP energies from 130 to 172 GeV. European Physical Journal C, 1999, 11, 383.  | 3.9 | 27        |
| 130 | Measurement of $\hat{b}\bar{b}$ 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        |
| 131 | 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        |
| 132 | Search for exclusive decays of the $\hat{b}\bar{b}$ baryon and measurement of its mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 351-361.                               | 4.1 | 26        |
| 133 | Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 14-30.  | 4.1 | 26        |
| 134 | Search for supersymmetric particles in light gravitino scenarios and sleptons NLSP. European Physical Journal C, 2003, 27, 153-172.   | 3.9 | 26        |
| 135 | Development of silicon micropattern pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 348, 399-408.                   | 1.6 | 25        |
| 136 | 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        |
| 137 | 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        |
| 138 | Search for supersymmetric particles assuming R-parity non-conservation in $e^+e^-$ collisions at $\sqrt{s} = 192$ to 208 GeV. European Physical Journal C, 2004, 36, 1-23.  | 3.9 | 25        |
| 139 | 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        |
| 140 | Measurement of correlations between pions from different W's in $e^+e^- \rightarrow \tau^+W+W\tau^-$ events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 181-191.          | 4.1 | 24        |
| 141 | Measurement of $ V_{cb} $ using the semileptonic decay $\overline{B^0} \rightarrow D^+ \ell^- \overline{\nu}_\ell$ . European Physical Journal C, 2004, 33, 213-232.  | 3.9 | 24        |
| 142 | Search for fermiophobic Higgs bosons in final states with photons at LEP 2. European Physical Journal C, 2004, 35, 313-324.   | 3.9 | 24        |
| 143 | Study of triple-gauge-boson couplings ZZZ, ZZ $\hat{1}^3$ and Z $\hat{1}^3\hat{1}^3$ at LEP. European Physical Journal C, 2007, 51, 525-542.  | 3.9 | 24        |
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