

# Pier S Marrocchesi

## List of Publications by Year in descending order

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331  
papers

12,063  
citations

38738  
50  
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36025  
97  
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333  
all docs

333  
docs citations

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times ranked

8622  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Direct Measurement of the Nickel Spectrum in Cosmic Rays in the Energy Range from $8.8 \times 10^{-2}$ to $10^{-1}$ GeV. <i>Physical Review Letters</i> , 2021, 126, 241101.  | 7.8 | 7         |
| 2  | CALET Search for Electromagnetic Counterparts of Gravitational Waves during the LIGO/Virgo O3 Run. <i>Astrophysical Journal</i> , 2022, 933, 85.  | 4.5 | 3         |
| 3  | Layered CMOS SPADs for Low Noise Detection of Charged Particles. <i>Frontiers in Physics</i> , 2021, 8, .   | 2.1 | 8         |
| 4  | Measurement of the Iron Spectrum in Cosmic Rays from $10^{-2}$ to $10^{-1}$ GeV. <i>Physical Review Letters</i> , 2021, 126, 241101.  | 7.8 | 20        |
| 5  | CALET Observations during the First 5 Years on the ISS. <i>Physics of Atomic Nuclei</i> , 2021, 84, 985-994.  | 0.4 | 0         |
| 6  | CALET results after three years on the International Space Station. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012074.  | 0.4 | 2         |
| 7  | DCR Performance in Neutron-Irradiated CMOS SPADs From 150- to 180-nm Technologies. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 1293-1301.   | 2.0 | 4         |
| 8  | Direct Measurement of the Cosmic-Ray Carbon and Oxygen Spectra from $10^{-2}$ to $10^{-1}$ GeV. <i>Physical Review Letters</i> , 2021, 126, 241101.   | 7.8 | 31        |
| 9  | CALET on the International Space Station: the first three years of observations. <i>Physica Scripta</i> , 2020, 95, 074012.   | 2.5 | 1         |
| 10 | Dark Count Rate Distribution in Neutron-Irradiated CMOS SPADs. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 5230-5237.  | 3.0 | 4         |
| 11 | AMS-100: The next generation magnetic spectrometer in space – An international science platform for physics and astrophysics at Lagrange point 2. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 944, 162561. | 1.6 | 41        |
| 12 | The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years of Operation. <i>EPJ Web of Conferences</i> , 2019, 208, 13001.  | 0.3 | 0         |
| 13 | Dark Count Rate Degradation in CMOS SPADs Exposed to X-Rays and Neutrons. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 567-574.  | 2.0 | 14        |
| 14 | The CALorimetric Electron Telescope (CALET) on the International Space Station. <i>Advances in Space Research</i> , 2019, 64, 2531-2537.  | 2.6 | 19        |
| 15 | Direct Measurement of the Cosmic-Ray Proton Spectrum from $50 \text{ GeV}$ to $10 \text{ TeV}$ with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2019, 122, 181102.   | 7.8 | 108       |
| 16 | The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years On Orbit. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012003.   | 0.4 | 6         |
| 17 | CALET Results after Three Years on Orbit on the International Space Station. <i>Physics of Atomic Nuclei</i> , 2019, 82, 766-772.   | 0.4 | 5         |
| 18 | Crosstalk Characterization of a Two-Tier Pixelated Avalanche Sensor for Charged Particle Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-8.  | 2.9 | 5         |

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|----|---|-----|-----------|
| 19 | Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 5.  | 7.7 | 16        |
| 20 | Extended Measurement of the Cosmic-Ray Electron and Positron Spectrum from 11ÂGeV to 4.8ÂTeV with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2018, 120, 261102. | 7.8 | 134       |
| 21 | Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. <i>Astrophysical Journal</i> , 2018, 863, 160.   | 4.5 | 10        |
| 22 | First Demonstration of a Two-Tier Pixelated Avalanche Sensor for Charged Particle Detection. <i>IEEE Journal of the Electron Devices Society</i> , 2017, 5, 404-410.  | 2.1 | 21        |
| 23 | Energy Spectrum of Cosmic-Ray Electron and Positron from 10ÂGeV to 3ÂTeV Observed with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2017, 119, 181101.            | 7.8 | 116       |
| 24 | CALET on the ISS: a high energy astroparticle physics experiment. <i>Journal of Physics: Conference Series</i> , 2016, 718, 052023.   | 0.4 | 6         |
| 25 | Perspectives of the GAMMA-400 space observatory for high-energy gamma rays and cosmic rays measurements. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032010.  | 0.4 | 2         |
| 26 | Crosstalk mapping in CMOS SPAD arrays. , 2016, , .  |     | 13        |
| 27 | The GAMMA-400 gamma-ray telescope for precision gamma-ray emission investigations. <i>Journal of Physics: Conference Series</i> , 2016, 675, 032009.  | 0.4 | 4         |
| 28 | CALET UPPER LIMITS ON X-RAY AND GAMMA-RAY COUNTERPARTS OF GW151226. <i>Astrophysical Journal Letters</i> , 2016, 829, L20.  | 8.3 | 20        |
| 29 | Separation of electrons and protons in the GAMMA-400 gamma-ray telescope. <i>Advances in Space Research</i> , 2015, 56, 1538-1545.  | 2.6 | 10        |
| 30 | CALOCUBE: an approach to high-granularity and homogenous calorimetry for space based detectors. <i>Journal of Physics: Conference Series</i> , 2015, 587, 012029.   | 0.4 | 10        |
| 31 | The CALorimetric Electron Telescope (CALET) for high-energy astroparticle physics on the International Space Station. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012023.                                       | 0.4 | 8         |
| 32 | The CALorimetric Electron Telescope (CALET) for high-energy astroparticle physics on the International Space Station. <i>EPJ Web of Conferences</i> , 2015, 95, 04056.  | 0.3 | 1         |
| 33 | New calorimeters for space experiments: physics requirements and technological challenges. <i>Journal of Instrumentation</i> , 2015, 10, C07015-C07015.   | 1.2 | 0         |
| 34 | The GAMMA-400 experiment: Status and prospects. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 417-420.  | 0.6 | 30        |
| 35 | Charged Particle Detection with NUV-Sensitive SiPM in a Beam of Relativistic Ions. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 2786-2793.   | 2.0 | 13        |
| 36 | Status and performance of the CALorimetric Electron Telescope (CALET) on the International Space Station. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2014, 256-257, 225-232.                                | 0.4 | 8         |

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|----|---|------|-----------|
| 37 | Silicon avalanche pixel sensor for high precision tracking. Journal of Instrumentation, 2014, 9, C03027-C03027.   | 1.2  | 19        |
| 38 | Homogeneous and isotropic calorimetry for space experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 311-315.   | 1.6  | 8         |
| 39 | The GAMMA-400 Space Experiment: Gammas, Electrons and Nuclei Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 204-209.   | 0.4  | 1         |
| 40 | Beam test performance of SiPM-based detectors for cosmic-ray experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 177-182.                                  | 1.6  | 7         |
| 41 | Status of the GAMMA-400 project. Advances in Space Research, 2013, 51, 297-300.   | 2.6  | 73        |
| 42 | Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.  | 25.6 | 453       |
| 43 | Performance of the Charge Detectors of CALET with relativistic ions. , 2013, , .  |      | 0         |
| 44 | Design and performance of the GAMMA-400 gamma-ray telescope for dark matter searches. , 2013, , .   |      | 24        |
| 45 | CALET: A calorimeter-based orbital observatory for High Energy Astroparticle Physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 240-245.                      | 1.6  | 12        |
| 46 | Beam test performance of a pixelated silicon array for the charge identification of cosmic rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 679, 7-13.              | 1.6  | 2         |
| 47 | COSMIC-RAY PROTON AND HELIUM SPECTRA FROM THE FIRST CREAM FLIGHT. Astrophysical Journal, 2011, 728, 122.  | 4.5  | 290       |
| 48 | Beam test performance of a scintillator-based detector for the charge identification of relativistic ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 477-483. | 1.6  | 33        |
| 49 | A custom front-end ASIC for the readout and timing of 64 SiPM photosensors. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 344-348.  | 0.4  | 32        |
| 50 | An high resolution FDIRC for the measurement of cosmic-ray isotopic abundances. Astroparticle Physics, 2011, 35, 21-27.   | 4.3  | 5         |
| 51 | Direct measurements of cosmic-ray energy: The kinematical method revisited. Astroparticle Physics, 2011, 35, 50-61.   | 4.3  | 3         |
| 52 | Future balloon experiments for electron and positron measurements at high energy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 296-300.                          | 1.6  | 0         |
| 53 | MEASUREMENTS OF THE RELATIVE ABUNDANCES OF HIGH-ENERGY COSMIC-RAY NUCLEI IN THE TeV/NUCLEON REGION. Astrophysical Journal, 2010, 715, 1400-1407.  | 4.5  | 41        |
| 54 | DISCREPANT HARDENING OBSERVED IN COSMIC-RAY ELEMENTAL SPECTRA. Astrophysical Journal Letters, 2010, 714, L89-L93.   | 8.3  | 314       |

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|----|--|-----|-----------|
| 55 | Approaching the Spectral Knee in High Energy Cosmic Rays with CREAM. Journal of the Physical Society of Japan, 2009, 78, 63-67.  | 1.6 | 0         |
| 56 | ENERGY SPECTRA OF COSMIC-RAY NUCLEI AT HIGH ENERGIES. Astrophysical Journal, 2009, 707, 593-603.   | 4.5 | 160       |
| 57 | Measurements of cosmic-ray energy spectra with the 2nd CREAM flight. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 239-242.  | 0.4 | 6         |
| 58 | The Cosmic Ray Energetics and Mass (CREAM) timing charge detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 525-536.  | 1.6 | 4         |
| 59 | Active control of the gain of a Silicon PhotoMultiplier. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 391-395.  | 1.6 | 22        |
| 60 | Scintillation and Cherenkov light detection with a 3 mm $\tilde{\text{A}}$ — 3 mm Silicon PhotoMultiplier. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 325-330.  | 0.4 | 4         |
| 61 | A Silicon Array for Cosmic-Ray Composition Measurements in CALET. Journal of the Physical Society of Japan, 2009, 78, 181-183.   | 1.6 | 5         |
| 62 | Preliminary results from the second flight of CREAM. Advances in Space Research, 2008, 41, 2002-2009.  | 2.6 | 6         |
| 63 | CREAM: 70 days of flight from 2 launches in Antarctica. Advances in Space Research, 2008, 42, 1656-1663.   | 2.6 | 23        |
| 64 | Measurements of cosmic-ray secondary nuclei at high energies with the first flight of the CREAM balloon-borne experiment. Astroparticle Physics, 2008, 30, 133-141.  | 4.3 | 167       |
| 65 | First measurements of cosmic-ray nuclei at high energy with CREAM. Advances in Space Research, 2008, 42, 403-408.  | 2.6 | 5         |
| 66 | Approaching the Knee with Direct Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 155-161.  | 0.4 | 2         |
| 67 | The CALET mission on the ISS. Proceedings of SPIE, 2008, , .   | 0.8 | 4         |
| 68 | THE CALET SPACE OBSERVATORY FOR JEM-EF ON THE INTERNATIONAL SPACE STATION. , 2008, , .   |     | 0         |
| 69 | Performance of a Dual Layer Silicon Charge Detector During CREAM Balloon Flight. IEEE Transactions on Nuclear Science, 2007, 54, 1743-1747.  | 2.0 | 7         |
| 70 | A large area silicon pixel array for the identification of relativistic nuclei in cosmic ray experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 316-318. | 1.6 | 6         |
| 71 | Front-end electronics with large dynamic range for space-borne cosmic ray experiments. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 156-158.  | 0.4 | 2         |
| 72 | The Cosmic Ray Energetics And Mass (CREAM) instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 1034-1053.  | 1.6 | 77        |

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|----|---|------|-----------|
| 73 | Development of a large area silicon pad detector for the identification of cosmic ions. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 162-164.  | 0.4  | 3         |
| 74 | Silicon charge detector for the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 286-291.  | 1.6  | 19        |
| 75 | Design and performance in the first flight of the transition radiation detector and charge detector of the CREAM balloon instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 485-487. | 1.6  | 5         |
| 76 | The CREAM Calorimeter: Performance In Tests And Flights. AIP Conference Proceedings, 2006, , .  | 0.4  | 3         |
| 77 | Cosmic ray measurements in the knee region: new perspectives for simultaneous air-borne and ground-based observations. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 407-410.   | 0.4  | 0         |
| 78 | Performance of CREAM Calorimeter: Results of Beam Tests. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 272-275.   | 0.4  | 10        |
| 79 | Development of front-end electronics with large dynamic range for space applications. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 390-393.  | 0.4  | 5         |
| 80 | Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.   | 25.6 | 974       |
| 81 | CREAM-Pushing the high energy frontier of directly measured cosmic rays. European Physical Journal D, 2006, 56, A301-A312.  | 0.4  | 0         |
| 82 | Design, Implementation, and Performance of CREAM Data Acquisition Software. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 304-307.  | 0.4  | 2         |
| 83 | BEAM TEST CALIBRATION OF THE BALLOON-BORNE IMAGING CALORIMETER FOR THE CREAM EXPERIMENT. , 2005, , .  |      | 0         |
| 84 | Construction and test of a scintillator hodoscope for the CREAM experiment. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 75-77.  | 0.4  | 2         |
| 85 | Cosmic-ray energetics and mass (CREAM) balloon project. Advances in Space Research, 2004, 33, 1777-1785.  | 2.6  | 55        |
| 86 | Construction and test of a tungsten/Sci-Fi imaging calorimeter for the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 143-146.   | 1.6  | 6         |
| 87 | Low-energy beam test results of a calorimeter prototype for the CREAM experiment. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 358-362.  | 0.4  | 1         |
| 88 | The Cosmic Ray Energetics and Mass (CREAM) experiment timing charge detector. , 2003, , .   |      | 5         |
| 89 | PERFORMANCES OF THE AMS-02 ELECTROMAGNETIC CALORIMETER. , 2003, , .   |      | 1         |
| 90 | The AMS-02 electromagnetic calorimeter. Nuclear Physics, Section B, Proceedings Supplements, 2002, 113, 159-165.  | 0.4  | 38        |

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|-----|--|-----|-----------|
| 91  | Continuum gamma spectra from neutralino annihilation. Nuclear Physics, Section B, Proceedings Supplements, 2002, 113, 186-192.   | 0.4 | 0         |
| 92  | Hadron energy reconstruction for the ATLAS calorimetry in the framework of the non-parametrical method ATLAS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 480, 508-523.                   | 1.6 | 36        |
| 93  | Experimental test of a new technique of background suppression in digital mammography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 95-97.  | 1.6 | 2         |
| 94  | A reduced scale e.m. calorimeter prototype for the AMS-02 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 490, 132-139.   | 1.6 | 15        |
| 95  | <title>Proof-of-principle apparatus for scattering suppression in digital mammography</title>. , 2001, , .   |     | 0         |
| 96  | Study of a new scatter rejection technique in digital radiography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 410-412.  | 1.6 | 2         |
| 97  | Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 461-477. | 1.6 | 21        |
| 98  | Fermi-Dirac correlations in $\hat{b}\bar{b}$ pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 395-406.   | 4.1 | 15        |
| 99  | Search for single top production in $e^+e^-$ collisions at $\sqrt{s}=202$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 33-45.   | 4.1 | 7         |
| 100 | Search for the glueball candidates $f_0(1500)$ and $f_1(1710)$ in $\hat{b}\bar{b}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 189-199.   | 4.1 | 34        |
| 101 | Search for R-parity violating decays of supersymmetric particles in $e^+e^-$ collisions at centre-of-mass energies near 183 GeV. European Physical Journal C, 2000, 13, 29-46.   | 3.9 | 11        |
| 102 | Measurement of the Z resonance parameters at LEP. European Physical Journal C, 2000, 14, 1-50.   | 3.9 | 35        |
| 103 | Study of charm production in Z decays. European Physical Journal C, 2000, 16, 597-611.   | 3.9 | 108       |
| 104 | Inclusive production of $\pi^0$ , $\eta$ , $\eta'(958)$ , $K_S^0$ and $\Lambda$ in two- and three-jet events from hadronic Z decays. European Physical Journal C, 2000, 16, 613-634.   | 3.9 | 19        |
| 105 | Search for the neutral Higgs bosons of the Standard Model and the MSSM in $e^+e^-$ collisions at $\sqrt{s}=189$ GeV. European Physical Journal C, 2000, 17, 223-240.   | 3.9 | 11        |
| 106 | Measurements of the structure of quark and gluon jets in hadronic Z decays. European Physical Journal C, 2000, 17, 1-18.   | 3.9 | 30        |
| 107 | Search for gauge mediated SUSY breaking topologies at $\sqrt{s} \sim 189$ GeV. European Physical Journal C, 2000, 16, 71-85.   | 3.9 | 13        |
| 108 | Study of fermion pair production in $e^+e^-$ collisions at $\sqrt{s}=130-183$ GeV. European Physical Journal C, 2000, 12, 183-207.   | 3.9 | 77        |



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|-----|---|-----|-----------|
| 109 | Search for the standard model Higgs boson at the LEP2 Collider near GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 336-351.  | 4.1 | 9         |
| 110 | Analysis of transverse momentum correlations in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 183-198.  | 4.1 | 0         |
| 111 | Search for charged Higgs bosons in $e^+e^-$ collisions at $\sqrt{s} = 181$ – $184$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 467-478.   | 4.1 | 7         |
| 112 | Measurement of W-pair production in $e^+e^-$ collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 453, 107-120.   | 4.1 | 15        |
| 113 | Measurement of the W mass in $e^+e^-$ collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 453, 121-137.  | 4.1 | 11        |
| 114 | Measurement of the hadronic photon structure function at LEP 1 for $Q^2$ values between 9.9 and 284 GeV <sup>2</sup> . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 152-166.          | 4.1 | 28        |
| 115 | A study of single W production in $e^+e^-$ collisions at $\sqrt{s} = 183$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 389-400.  | 4.1 | 15        |
| 116 | Determination of the LEP centre-of-mass energy from $Z^0$ events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 464, 339-349.   | 4.1 | 5         |
| 117 | A direct measurement of $ V_{cs} $ in hadronic W decays using a charm tag. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 349-362.  | 4.1 | 8         |
| 118 | Search for an invisibly decaying Higgs boson in $e^+e^-$ collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 50-60.   | 4.1 | 11        |
| 119 | Searches for sleptons and squarks in $e^+e^-$ collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 303-314.  | 4.1 | 23        |
| 120 | Measurement of the $e^+e^- \rightarrow \tau^+\tau^- ZZ$ production cross section at centre-of-mass energies of 183 and 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 287-302. | 4.1 | 26        |
| 121 | Search for invisible Higgs boson decays in $e^+e^-$ collisions at centre-of-mass energies up to 184 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 301-312.                        | 4.1 | 7         |
| 122 | Determination of. European Physical Journal C, 1999, 6, 555.  | 3.9 | 26        |
| 123 | Search for supersymmetry with a dominant R-parity violating. European Physical Journal C, 1999, 7, 383.   | 3.9 | 5         |
| 124 | Search for. European Physical Journal C, 1999, 7, 553.  | 3.9 | 5         |
| 125 | Search for charginos and neutralinos in e. European Physical Journal C, 1999, 11, 193.  | 3.9 | 17        |
| 126 | Study of. European Physical Journal C, 1999, 11, 599.   | 3.9 | 96        |



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|-----|---|------|-----------|
| 127 | Studies of Quantum Chromodynamics with the ALEPH detector. Physics Reports, 1998, 294, 1-165.   | 25.6 | 184       |
| 128 | Measurement of triple gauge-boson couplings at 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 369-383.   | 4.1  | 30        |
| 129 | Resonant structure and flavour tagging in the $B\bar{B}^*$ system using fully reconstructed B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 215-226.                         | 4.1  | 39        |
| 130 | Search for sleptons in $e^+e^-$ collisions at centre-of-mass energies up to 184 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 176-194.  | 4.1  | 26        |
| 131 | Search for charged Higgs bosons in $e^+e^-$ collisions at centre-of-mass energies from 130 to 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 419-429.                        | 4.1  | 9         |
| 132 | Search for supersymmetry in the photon(s) plus missing energy channels at GeV and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 127-139.                                    | 4.1  | 18        |
| 133 | Four-jet final state production in $e^+e^-$ collisions at centre-of-mass energies ranging from 130 to 184 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 196-204.                | 4.1  | 4         |
| 134 | Measurement of the W mass by direct reconstruction in $e^+e^-$ collisions at 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 384-398.   | 4.1  | 15        |
| 135 | Determination of $A_{FB}^b$ using jet charge measurements in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 217-230.  | 4.1  | 11        |
| 136 | A measurement of the inclusive $b\bar{t}s^3$ branching ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 169-187.   | 4.1  | 259       |
| 137 | Single- and multi-photon production in $e^+e^-$ collisions at a centre-of-mass energy of 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 201-214.                             | 4.1  | 36        |
| 138 | Scalar quark searches in $e^+e^-$ collisions at $s=181\text{--}184$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 189-199.  | 4.1  | 23        |
| 139 | The forward-backward asymmetry for charm quarks at the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 415-425.   | 4.1  | 8         |
| 140 | A measurement of the gluon splitting rate into pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 437-450.  | 4.1  | 22        |
| 141 | Study of $D^0\bar{D}^0$ mixing and $D^0$ doubly Cabibbo-suppressed decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 211-221.  | 4.1  | 15        |
| 142 | Search for the standard model Higgs boson at the LEP2 collider near. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 403-418.  | 4.1  | 7         |
| 143 | Searches for the neutral Higgs bosons of the MSSM in $e^+e^-$ collisions at centre-of-mass energies of $181\text{--}184$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 419-434. | 4.1  | 15        |
| 144 | Measurement of triple gauge $WW\gamma^3$ couplings at LEP2 using photonic events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 445, 239-248.   | 4.1  | 8         |

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