

Aaron J Roodman

List of Publications by Year in descending order

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Version: 2024-02-01

285
papers

17,480
citations

13865

67
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17105

122
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289
all docs

289
docs citations

289
times ranked

14169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Pseudorapidity distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. Physical Review D, 1990, 41, 2330-2333. | 4.7 | 187 |
| 20 | Transverse-momentum distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 1988, 61, 1819-1822. | 7.8 | 182 |
| 21 | First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. Astrophysical Journal Letters, 2019, 876, L7. | 8.3 | 179 |
| 22 | Measurement of the antiproton-proton total cross section at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5550-5561. | 4.7 | 178 |
| 23 | Study of four-jet events and evidence for double parton interactions in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1993, 47, 4857-4871. | 4.7 | 169 |
| 24 | redMaGiC: selecting luminous red galaxies from the DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1431-1450. | 4.4 | 156 |
| 25 | Search for the top quark in the reaction $p\bar{p} \rightarrow e^{-} + \text{jets}$ at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1990, 64, 142-146. | 7.8 | 155 |
| 26 | Search for squarks and gluinos from $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 3439-3443. | 7.8 | 149 |
| 27 | Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. Physical Review D, 2003, 67, . | 4.7 | 147 |
| 28 | Photometric redshift analysis in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1482-1506. | 4.4 | 146 |
| 29 | Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 592-610. | 4.4 | 145 |
| 30 | First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2184-2196. | 4.4 | 143 |
| 31 | STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408+5354. Monthly Notices of the Royal Astronomical Society, 2020, 494, 6072-6102. | 4.4 | 140 |
| 32 | Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, . | 4.7 | 140 |
| 33 | Measurement of small angle antiproton-proton elastic scattering at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534. | 4.7 | 139 |
| 34 | The DES Science Verification weak lensing shear catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2245-2281. | 4.4 | 137 |
| 35 | Lower limit on the top-quark mass from events with two leptons in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 447-451. | 7.8 | 135 |
| 36 | Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1352-1378. | 4.4 | 135 |

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|----|---|------|-----------|
| 37 | STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. <i>Astrophysical Journal</i> , 2015, 808, 95. | 4.5 | 132 |
| 38 | Measurement of the W -boson mass. <i>Physical Review Letters</i> , 1990, 65, 2243-2246. | 7.8 | 131 |
| 39 | THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015, 150, 172. | 4.7 | 128 |
| 40 | Search for the Decay $K_L \rightarrow \pi^0 \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2000, 84, 5279-5282. | 7.8 | 125 |
| 41 | The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 20. | 7.7 | 120 |
| 42 | Limits on the masses of supersymmetric particles from 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review Letters</i> , 1989, 62, 1825-1828. | 7.8 | 110 |
| 43 | Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4866-4883. | 4.4 | 109 |
| 44 | Search for a muonic dark force at $B\bar{B}$. <i>Physical Review D</i> , 2016, 94, . | 4.7 | 108 |
| 45 | AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015, 150, 82. | 4.7 | 107 |
| 46 | Measurement of $p\bar{p}$ single diffraction dissociation at $\sqrt{s}=546$ and 1800 GeV. <i>Physical Review D</i> , 1994, 50, 5535-5549. | 4.7 | 105 |
| 47 | CPT Tests in the Neutral Kaon System. <i>Physical Review Letters</i> , 1995, 74, 4376-4379. | 7.8 | 101 |
| 48 | BLIND ANALYSIS IN NUCLEAR AND PARTICLE PHYSICS. <i>Annual Review of Nuclear and Particle Science</i> , 2005, 55, 141-163. | 10.2 | 101 |
| 49 | The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25. | 7.7 | 101 |
| 50 | Search for new heavy quarks in electron-muon events at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1990, 64, 147-151. | 7.8 | 95 |
| 51 | Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 24. | 7.7 | 93 |
| 52 | Measurement of the W -boson mass in 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review D</i> , 1991, 43, 2070-2093. | 4.7 | 92 |
| 53 | Inclusive c and b -quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 71, 2537-2541. | 7.8 | 92 |
| 54 | Constraints on the richness-mass relation and the optical-SZE positional offset distribution for SZE-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2305-2319. | 4.4 | 87 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018, 854, 160. | 4.5 | 87 |
| 56 | Measurement of the mass and width of the Z boson at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1989, 63, 720-723. | 7.8 | 86 |
| 57 | Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019, 122, 171301. | 7.8 | 86 |
| 58 | Inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992, 68, 1104-1108. | 7.8 | 82 |
| 59 | Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4779-4800. | 4.4 | 82 |
| 60 | An Extended Catalog of Galaxy-Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 17. | 7.7 | 77 |
| 61 | Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4312-4336. | 4.4 | 77 |
| 62 | A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 900, L33. | 8.3 | 74 |
| 63 | Limit on the top-quark mass from proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1992, 45, 3921-3948. | 4.7 | 73 |
| 64 | Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1989, 62, 613-616. | 7.8 | 72 |
| 65 | Observation of Rapidity Gaps in $p\bar{p}$ Collisions at 1.8 TeV. <i>Physical Review Letters</i> , 1995, 74, 855-859. | 7.8 | 71 |
| 66 | Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3367-3380. | 4.4 | 71 |
| 67 | Observation of CP Violation in $K_L \rightarrow \pi^0 e^+ e^-$ Decays. <i>Physical Review Letters</i> , 2000, 84, 408-411. | 7.8 | 70 |
| 68 | Precise measurements of direct CP violation, CP violation, CP symmetry, and other parameters in the neutral kaon system. <i>Physical Review D</i> , 2011, 83, . | 4.7 | 70 |
| 69 | Measurement of $\sigma_{FB}(W \rightarrow e \nu)$ and $\sigma_{FB}(Z \rightarrow e^+ e^-)$ in $p\bar{p}$ collisions at $\sqrt{s}=1800$ GeV. <i>Physical Review D</i> , 1991, 44, 29-32. | | 67 |
| 70 | Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4249-4277. | 4.4 | 67 |
| 71 | Measurement of bottom quark production in 1.8 TeV $p\bar{p}$ collisions using muons from b-quark decays. <i>Physical Review Letters</i> , 1993, 71, 2396-2400. | 7.8 | 66 |
| 72 | Three new VHS DES quasars at $z \approx 6.7$; $z \approx 6.9$ and emission line properties at $z \approx 6.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1874-1885. | 4.4 | 64 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Prompt photon cross section measurement in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1993, 48, 2998-3025. | 4.7 | 63 |
| 74 | First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1171-1187. | 4.4 | 62 |
| 75 | DES J0454+4448: discovery of the first luminous $z < 6$ quasar from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3952-3961. | 4.4 | 60 |
| 76 | Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3165-3190. | 4.4 | 60 |
| 77 | First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. Astrophysical Journal, 2019, 874, 106. | 4.5 | 60 |
| 78 | Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18. | 7.7 | 56 |
| 79 | A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L33. | 8.3 | 55 |
| 80 | Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. Physical Review Letters, 2021, 126, 141301. | 7.8 | 55 |
| 81 | Evidence for color coherence in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1994, 50, 5562-5579. | 4.7 | 53 |
| 82 | Dark Energy Survey Y3 results: blending shear and redshift biases in image simulations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3371-3394. | 4.4 | 53 |
| 83 | Search for New Gauge Bosons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1992, 68, 1463-1467. | 7.8 | 48 |
| 84 | Measurement of the KL Charge Asymmetry. Physical Review Letters, 2002, 88, 181601. | 7.8 | 48 |
| 85 | Cosmology from large-scale galaxy clustering and galaxy-galaxy lensing with Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4045-4062. | 4.4 | 48 |
| 86 | Measurement of the isolated prompt photon cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1992, 68, 2734-2738. | 7.8 | 47 |
| 87 | Comparison of jet production in $p\bar{p}$ collisions at $\sqrt{s}=546$ and 1800GeV . Physical Review Letters, 1993, 70, 1376-1380. | 7.8 | 47 |
| 88 | Polarization of \hat{h} and produced by 800-GeV protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 403-408. | 4.1 | 47 |
| 89 | Search for the decay $K_L \rightarrow \pi^0 \pi^+ \pi^-$ using $e^+e^- \rightarrow \pi^+ \pi^-$. Physical Review D, 2000, 61, . | 4.7 | 47 |
| 90 | A two level fastbus based trigger system for CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 269, 51-62. | 1.6 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Cross-correlation of gravitational lensing from DES Science Verification data with SPT and Planck lensing. Monthly Notices of the Royal Astronomical Society, 2016, 459, 21-34. | 4.4 | 46 |
| 92 | The Dark Energy Survey and operations: Year 1. Proceedings of SPIE, 2014, , . | 0.8 | 45 |
| 93 | Cross sections for the reactions $e^+e^- \rightarrow \mu^+\mu^-$ at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2014, 89, . | 4.7 | 44 |
| 94 | A new RASS galaxy cluster catalogue with low contamination extending to $z \approx 1$ in the DES overlap region. Monthly Notices of the Royal Astronomical Society, 2019, 488, 739-769. | 4.4 | 44 |
| 95 | OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. Monthly Notices of the Royal Astronomical Society, 2020, 496, 19-35. | 4.4 | 43 |
| 96 | Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V*. Astrophysical Journal, 2020, 892, 137. | 4.5 | 43 |
| 97 | Two-jet invariant mass distribution at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1990, 41, 1722-1725. | 4.7 | 42 |
| 98 | Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4626-4645. | 4.4 | 42 |
| 99 | Top-quark search in the electron + jets channel in proton-antiproton collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1991, 43, 664-686. | 4.7 | 41 |
| 100 | Discovery of two gravitationally lensed quasars in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1260-1265. | 4.4 | 41 |
| 101 | A measurement of CMB cluster lensing with SPT and DES year 1 data. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2674-2688. | 4.4 | 41 |
| 102 | Dark Energy Survey year 3 results: point spread function modelling. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1282-1299. | 4.4 | 41 |
| 103 | Measurement of the W -boson p_T distribution in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1991, 66, 2951-2955. | 7.8 | 40 |
| 104 | Measurement of jet shapes in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 70, 713-717. | 7.8 | 40 |
| 105 | Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. Physical Review Letters, 2015, 115, 051301. | 7.8 | 40 |
| 106 | Astrometric Calibration and Performance of the Dark Energy Camera. Publications of the Astronomical Society of the Pacific, 2017, 129, 074503. | 3.1 | 40 |
| 107 | Measurement of the production and muonic decay rate of W and Z bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1992, 69, 28-32. | 7.8 | 39 |
| 108 | Dark Energy Survey Year 1 Results: calibration of redMaGiC redshift distributions in DES and SDSS from cross-correlations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2427-2443. | 4.4 | 39 |

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| 109 | Dark Energy Survey year 3 results: covariance modelling and its impact on parameter estimation and quality of fit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3125-3165. | 4.4 | 39 |
| 110 | Measurement of the B-meson and b-quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B \rightarrow \tau^+ \nu_{\tau} K^0$. <i>Physical Review Letters</i> , 1992, 68, 3403-3407. | 7.8 | 37 |
| 111 | Assessing tension metrics with dark energy survey and Planck data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6179-6194. | 4.4 | 37 |
| 112 | Dark Energy Survey Year 3 Results: clustering redshifts \hat{z} calibration of the weak lensing source redshift distributions with <i>redMaGiC</i> and BOSS/eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1223-1247. | 4.4 | 36 |
| 113 | Measurement of the e^+e^- Invariant-Mass Distribution in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991, 67, 2418-2422. | 7.8 | 35 |
| 114 | Measurement of the Decay $K_L \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 1999, 83, 917-921. | 7.8 | 35 |
| 115 | Search for $B \rightarrow K^* \tau^+ \nu_{\tau}$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017, 118, 031802. | 7.8 | 35 |
| 116 | Dark Energy Survey Year 3 Results: Deep Field optical and near-infrared images and catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3547-3579. | 4.4 | 35 |
| 117 | Search for Long-Lived Particles in e^+e^- Collisions. <i>Physical Review Letters</i> , 2015, 114, 171801. | 7.8 | 34 |
| 118 | The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3491-3511. | 4.4 | 34 |
| 119 | Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 34 |
| 120 | Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2075-2104. | 4.4 | 34 |
| 121 | Measurement of the Z-boson p_T distribution in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991, 67, 2937-2941. | 7.8 | 33 |
| 122 | Chemical Abundance Analysis of Three \hat{z} -poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I*. <i>Astrophysical Journal</i> , 2018, 852, 99. | 4.5 | 33 |
| 123 | Search for $B \rightarrow D^* \tau^+ \nu_{\tau}$ at the BaBar Experiment. <i>Physical Review D</i> , 2015, 91, . | 4.7 | 32 |
| 124 | The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 31. | 7.7 | 32 |
| 125 | Galaxy morphological classification catalogue of the Dark Energy Survey Year 3 data with convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4425-4444. | 4.4 | 32 |
| 126 | Search for first-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1993, 48, R3939-R3944. | 4.7 | 31 |

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|-----|--|-----|-----------|
| 127 | Measurement of the cross section for production of two isolated prompt photons in $\sqrt{s}=1.8$ TeV pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 70, 2232-2236. | 7.8 | 31 |
| 128 | DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4614-4635. | 4.4 | 31 |
| 129 | Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2665-2687. | 4.4 | 31 |
| 130 | Measurement of the ratio $\sigma(\text{W}^+\text{e}^{\frac{1}{2}})/\sigma(\text{Z}\nu\text{e})$ in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1990, 64, 152-156. | 7.8 | 30 |
| 131 | Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4040-4060. | 4.4 | 30 |
| 132 | Search for $\text{W}\nu\text{e}^{\frac{1}{2}}$ and $\text{W}\nu\tau^{\frac{1}{4}}$ in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991, 67, 2609-2613. | 7.8 | 29 |
| 133 | Search for Light Gluinos via the Spontaneous Appearance of $\tilde{\chi}^+\tilde{\chi}^-$ Pairs with an 800 GeV/c Proton Beam at Fermilab. <i>Physical Review Letters</i> , 1997, 79, 4083-4087. | 7.8 | 29 |
| 134 | First Measurement of Form Factors of the Decay $\text{B}^0 \rightarrow \text{e}^+\mu^-\nu$. <i>Physical Review Letters</i> , 2001, 87, 132001. | 7.8 | 29 |
| 135 | Measurement of angular asymmetries in the decays $\text{B}^0 \rightarrow \text{e}^+\mu^-\nu$. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 29 |
| 136 | Measurement of W -boson production in 1.8-TeV pp collisions. <i>Physical Review Letters</i> , 1989, 62, 1005-1008. | 7.8 | 28 |
| 137 | Measurement of the $\text{B}^0 \rightarrow \text{e}^+\mu^-\nu$ decay branching fraction as a function of $\cos\theta_{\text{e}\mu}$. <i>Physical Review D</i> , 2015, 91, . | 4.7 | 28 |
| 138 | Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , 2017, 839, L15. | 8.3 | 28 |
| 139 | Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4591-4606. | 4.4 | 28 |
| 140 | Constraints on the Physical Properties of GW190814 through Simulations Based on DECAM Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020, 901, 83. | 4.5 | 28 |
| 141 | Jet-fragmentation properties in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1990, 65, 968-971. | 7.8 | 27 |
| 142 | Measurement of Drell-Yan electron and muon pair differential cross sections in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1994, 49, R1-R6. | 4.7 | 27 |
| 143 | The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. <i>Astrophysical Journal</i> , 2019, 881, 118. | 4.5 | 27 |
| 144 | Dark energy survey year 1 results: Constraining baryonic physics in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 6010-6031. | 4.4 | 27 |

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|-----|--|-----|-----------|
| 145 | A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 41. | 7.7 | 27 |
| 146 | Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1942-1972. | 4.4 | 27 |
| 147 | Measurement of the ratio $B(W \rightarrow \tau^+ \nu_\tau) / B(W \rightarrow e^+ \nu_e)$ in $pp \rightarrow \tau^+ \tau^-$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992, 68, 3398-3402. | 7.8 | 26 |
| 148 | Limits on the production of massive stable charged particles. <i>Physical Review D</i> , 1992, 46, R1889-R1894. | 4.7 | 26 |
| 149 | Search for the Weak Decay of a Lightly Bound HD Dibaryon. <i>Physical Review Letters</i> , 2000, 84, 2593-2597. | 7.8 | 26 |
| 150 | Hierarchical Inference with Bayesian Neural Networks: An Application to Strong Gravitational Lensing. <i>Astrophysical Journal</i> , 2021, 909, 187. | 4.5 | 26 |
| 151 | Search for heavy stable particles in 1.8-TeV $pp \rightarrow \tau^+ \tau^-$ collisions at the Fermilab collider. <i>Physical Review Letters</i> , 1989, 63, 1447-1450. | 7.8 | 25 |
| 152 | Measurement of the B meson and quark cross sections at $\sqrt{s} = 1.8$ TeV using the exclusive decay $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$. <i>Physical Review D</i> , 1994, 50, 4252-4257. | 4.7 | 25 |
| 153 | Search for the Decay $K_L \rightarrow \tau^+ \nu_\tau e^+ e^-$. <i>Physical Review Letters</i> , 2001, 86, 397-401. | 7.8 | 25 |
| 154 | Measurement of $B \rightarrow B^0$ mixing at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1991, 67, 3351-3355. | 7.8 | 24 |
| 155 | Dalitz plot analysis of $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$. <i>Physical Review Letters</i> , 2019, 123, 091801. | 7.8 | 24 |
| 156 | Extraction of form factors from a four-dimensional angular analysis of $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$. <i>Physical Review Letters</i> , 2019, 123, 091801. | 7.8 | 24 |
| 157 | Discovery of a Candidate Binary Supermassive Black Hole in a Periodic Quasar from Circumbinary Accretion Variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 24 |
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