

# 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  
h-index

17105

122  
g-index

289  
all docs

289  
docs citations

289  
times ranked

14169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for Darkonium in $e^+e^- \rightarrow \mu^+\mu^-$ Collisions. Physical Review Letters, 2022, 128, 021802.	7.7	1
2	Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2665-2687.	4.4	31
3	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. Astrophysical Journal, Supplement Series, 2022, 258, 15.	7.7	21
4	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. Physical Review D, 2022, 105, .	4.7	398
5	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2075-2104.	4.4	34
6	Parameterization of Outer-scale on DECam Point-spread Function. Research Notes of the AAS, 2022, 6, 23.	0.7	0
7	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. Astrophysical Journal, Supplement Series, 2022, 258, 41.	7.7	27
8	The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. Astrophysical Journal, Supplement Series, 2022, 259, 27.	7.7	4
9	Search for Extragalactic Flavor Violation in $B \rightarrow K^* \mu^+ \mu^-$	7.8	1
10	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. Astrophysical Journal, 2022, 927, 109.	4.5	5
11	Lensing without borders – I. A blind comparison of the amplitude of galaxy–galaxy lensing between independent imaging surveys. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6150-6189.	4.4	12
12	The Dark Energy Survey supernova program: cosmological biases from supernova photometric classification. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1106-1127.	4.4	7
13	The dark energy survey 5-yr photometrically identified type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5159-5177.	4.4	8
14	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1942-1972.	4.4	27
15	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	7.7	56
16	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. Physical Review D, 2021, 103, .	4.7	34
17	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6010-6031.	4.4	27
18	Consistency of cosmic shear analyses in harmonic and real space. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3796-3817.	4.4	14

#	ARTICLE	IF	CITATIONS
19	The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 31.	7.7	32
20	Hierarchical Inference with Bayesian Neural Networks: An Application to Strong Gravitational Lensing. <i>Astrophysical Journal</i> , 2021, 909, 187.	4.5	26
21	Large-scale Gravitational Lens Modeling with Bayesian Neural Networks for Accurate and Precise Inference of the Hubble Constant. <i>Astrophysical Journal</i> , 2021, 910, 39.	4.5	22
22	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. <i>Astrophysical Journal</i> , 2021, 911, 109.	4.5	18
23	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
24	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. <i>Physical Review Letters</i> , 2021, 126, 141301.	7.8	55
25	The first Hubble diagram and cosmological constraints using superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2535-2549.	4.4	18
26	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4626-4645.	4.4	42
27	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 24.	7.7	93
28	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
29	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
30	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
31	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 20.	7.7	120
32	Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. <i>Astronomical Journal</i> , 2021, 162, 106.	4.7	8
33	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
34	Dark Energy Survey Y3 results: blending shear and redshift biases in image simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3371-3394.	4.4	53
35	DES Y1 results: Splitting growth and geometry to test $\Lambda$ CDM. <i>Physical Review D</i> , 2021, 103, .	4.7	16
36	Galaxy galaxy lensing with the DES-CMASS catalogue: measurement and constraints on the galaxy-matter cross-correlation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 2033-2047.	4.4	6

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37	Dark Energy Survey Year 3 Results: Deep Field optical+near-infrared images and catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3547-3579.	4.4	35
38	Characterization and correction of serial deferred charge in LSST camera ITL CCDs. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	1
39	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4982-4996.	4.4	9
40	C/2014 UN <sub>271</sub> (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. Astrophysical Journal Letters, 2021, 921, L37.	8.3	21
41	Dark Energy Survey Year 3 Results: clustering redshifts calibration of the weak lensing source redshift distributions with <i>redMaGiC</i> and BOSS/eBOSS. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1223-1247.	4.4	36
42	Dark Energy Survey Year 3 results: galaxy halo connection from galaxy galaxy lensing. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3119-3147.	4.4	18
43	The DES view of the Eridanus supervoid and the CMB cold spot. Monthly Notices of the Royal Astronomical Society, 2021, 510, 216-229.	4.4	14
44	Search for lepton-flavor-violating decays $\langle mml:msup \rangle \langle mml:mi \rangle D \langle mml:mi \rangle \langle mml:mn \rangle \langle mml:msup \rangle \langle mml:mo stretchy="false" \rangle \hat{t} \langle mml:mo \rangle \langle mml:msup \rangle \langle mml:mi \rangle X \langle mml:mi \rangle \langle mml:mn \rangle \langle mml:msup \rangle \langle mml:msup \rangle \langle mml:mi \rangle e \langle mml:mn \rangle$ Physical Review D, 2020, 101, .	4.7	6
45	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4040-4060.	4.4	30
46	Dark Energy Survey Year 1 Results: Wide-field mass maps via forward fitting in harmonic space. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5662-5679.	4.4	8
47	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3491-3511.	4.4	34
48	Blinding multiprobe cosmological experiments. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4454-4470.	4.4	22
49	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
50	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1308-1322.	4.4	6
51	Dark Energy Survey identification of a low-mass active galactic nucleus at redshift 0.823 from optical variability. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3636-3647.	4.4	6
52	Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. Monthly Notices of the Royal Astronomical Society, 2020, 498, 771-798.	4.4	12
53	Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4591-4606.	4.4	28
54	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408 $\hat{a}$ 5354. Monthly Notices of the Royal Astronomical Society, 2020, 494, 6072-6102.	4.4	140

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55	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V*. <i>Astrophysical Journal</i> , 2020, 892, 137.	4.5	43
56	A joint SZ+X-ray+optical analysis of the dynamical state of 288 massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 705-725.	4.4	24
57	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4860-4892.	4.4	12
58	Detection of Cross-Correlation between Gravitational Lensing and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \hat{\rho} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	7.8	16
59	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , 2020, 102, .	4.7	140
60	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4051-4059.	4.4	7
61	Search for Rare or Forbidden Decays of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} D \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$	7.8	5
62	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1282-1299.	4.4	41
63	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
64	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , 2020, 903, 75.	4.5	8
65	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	7.7	101
66	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
67	The Diffuse Light Envelope of Luminous Red Galaxies. <i>Research Notes of the AAS</i> , 2020, 4, 174.	0.7	0
68	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
69	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
70	Brown dwarf census with the Dark Energy Survey year 3 data and the thin disc scale height of early L types. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5301-5325.	4.4	23
71	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019, 123, 181301.	7.8	12
72	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

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73	Estimation of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow K^* \ell \bar{\ell}$ . Physical Review Letters, 2019, 123, 091801.	7.8	24
74	Cosmological lensing ratios with DES Y1, SPT, and Planck. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1363-1379.	4.4	16
75	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
76	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
77	Three new VHS DES quasars at $z \approx 6.7$ and $z \approx 6.9$ and emission line properties at $z \approx 6.5$ . Monthly Notices of the Royal Astronomical Society, 2019, 487, 1874-1885.	4.4	64
78	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
79	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. Physical Review Letters, 2019, 122, 171301.	7.8	86
80	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
81	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
82	Observation of the Decay $D^0 \rightarrow K^* \ell^+ \ell^-$ . Physical Review Letters, 2019, 122, 081802.	7.8	7
83	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. Astrophysical Journal Letters, 2019, 872, L30.	8.3	201
84	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. Astrophysical Journal Letters, 2019, 873, L24.	8.3	14
85	Search for a Stable Six-Quark State at BABAR. Physical Review Letters, 2019, 122, 072002.	7.8	10
86	Search for $B \rightarrow K^* \ell^+ \ell^-$ with the BaBar experiment. Physical Review D, 2019, 100, .	4.7	6
87	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. Astrophysical Journal, 2019, 881, 118.	4.5	27
88	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
89	Measuring linear and non-linear galaxy bias using counts-in-cells in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1435-1451.	4.4	13
90	Investigation of deferred charge effects in Large Synoptic Survey Telescope ITL sensors. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	0



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109	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
110	Dark energy survey operations: years 4 and 5. , 2018, , .		11
111	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. Astrophysical Journal Letters, 2017, 839, L15.	8.3	28
112	Astrometric Calibration and Performance of the Dark Energy Camera. Publications of the Astronomical Society of the Pacific, 2017, 129, 074503.	3.1	40
113	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:msup} \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle \tilde{I}, \langle \text{mml:mo} \rangle \rangle \rangle$ at the BaBar Experiment. Physical Review Letters. 2017. 118. 031802.	7.8	35
114	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
115	Search for Invisible Decays of a Dark Photon Produced in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle$ Collisions at BaBar. Physical Review Letters. 2017. 119. 131804.	7.8	272
116	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. Astrophysical Journal Letters, 2017, 848, L17.	8.3	656
117	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. Astrophysical Journal Letters, 2017, 848, L16.	8.3	392
118	Cross sections for the reactions $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle \rangle \rangle$ Physical Review D, 2017, 95, .	4.7	16
119	Measurement of the inclusive electron spectra $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle$ from meson decays and determination of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi} \rangle \tilde{I} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle \tilde{I} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle$ cross section using initial-state radiation at BABAR. Physical Review D, 2017, 96, .	4.7	9
120	Measurement of the $e^+e^- \rightarrow K_S^0 K^0 \tilde{I} \tilde{I}^0$ and $K_S^0 K^0 \tilde{I} \tilde{I}^+$ cross sections using initial-state radiation. Physical Review D, 2017, 95, .	4.7	15
121	Measurement of the $e^+e^- \rightarrow \tilde{I} \tilde{I}^0 \tilde{I}^0$ cross section using initial-state radiation at BABAR. Physical Review D, 2017, 96, .	4.7	18
122	Measurement of the $D^*(2010)^+ \tilde{I}^+ D^+$ Mass Difference. Physical Review Letters, 2017, 119, 202003.	7.8	2
123	Photometric redshifts and clustering of emission line galaxies selected jointly by DES and eBOSS. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2771-2790.	4.4	8
124	Measurement of the $e^+e^- \rightarrow K_S^0 K^0 \tilde{I} \tilde{I}^0$ and $K_S^0 K^0 \tilde{I} \tilde{I}^+$ cross sections using initial-state radiation. Physical Review D, 2017, 95, .	4.7	8
125	Evidence for $C \rightarrow P$ violation in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:msup} \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle * \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \rangle \tilde{I} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \rangle$	4.7	7
126	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



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127	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 823, L33.	8.3	55
128	Cross-correlation of gravitational lensing from DES Science Verification data with SPT and Planck lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 21-34.	4.4	46
129	Tests of $C$ - $P$ - $T$ symmetry in $B \rightarrow B^0$ decays. <i>Physical Review D</i> , 2016, 94, .	4.7	4
130	Search for a muonic dark force at BaBar. <i>Physical Review D</i> , 2016, 94, .	4.7	108
131	Comparing Dark Energy Survey and HST CLASH observations of the galaxy cluster RXC J2248.7+4431: implications for stellar mass versus dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1486-1499.	4.4	12
132	Measurement of the $S$ -wave amplitude from Dalitz plot analyses of $\pi^+\pi^-\pi^0$ in two-photon interactions. <i>Physical Review D</i> , 2016, 93, .	4.7	9
133	Search for mixing-induced $C$ - $P$ violation using partial reconstruction of $B \rightarrow B^0$ decays. <i>Physical Review D</i> , 2016, 93, .	4.7	3
134	Time-dependent analysis of $B \rightarrow B^0$ decays and studies of the $K$ - $S$ system. <i>Physical Review D</i> , 2016, 93, .	4.7	1
135	Measurement of angular asymmetries in the decays $B \rightarrow K^* \pi$ . <i>Physical Review D</i> , 2016, 93, .	4.7	29
136	Measurement of the neutral $D$ meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \pi^+\pi^0$ decay. <i>Physical Review D</i> , 2016, 93, .	4.7	9
137	Creation of $B \rightarrow B^0$ decays. <i>Physical Review D</i> , 2016, 93, .	7.8	14
138	The DES Science Verification weak lensing shear catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2245-2281.	4.4	137
139	Measurement of the $B^0 \rightarrow D^* \pi^+ \pi^0$ branching fraction. <i>Physical Review D</i> , 2016, 94, .	4.7	6
140	The dark energy survey and operations: years 1 to 3. <i>Proceedings of SPIE</i> , 2016, , .	0.8	23
141	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
142	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. <i>Astronomical Journal</i> , 2016, 151, 39.	4.7	19
143	Measurement of the $D \rightarrow D^0$ decay branching fraction as a function of $\pi^+\pi^0$ . <i>Physical Review D</i> , 2015, 91, .	4.7	28
144	Search for a light Higgs resonance in radiative decays of the $\psi(1S)$ with a charm tag. <i>Physical Review D</i> , 2015, 91, .	4.7	8

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145	Study of the $\eta(560)$ decaying into $\pi^+\pi^-\pi^0$ and $\pi^+\pi^-\pi^+\pi^-$ in the energy range from 2.6 to 8.0 GeV. Physical Review D, 2015, 92, .	4.7	13
146	Measurement of initial-state $\eta(560)$ final-state radiation interference in the processes $e^+e^- \rightarrow \eta(560)\gamma$ . Physical Review D, 2015, 92, .	4.7	13
147	Observation of the baryonic decay $B^0 \rightarrow \pi^+ K^0 K^+$ . Physical Review D, 2015, 91, .	4.7	3
148	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. Astrophysical Journal, 2015, 813, 109.	4.5	405
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155	Dalitz plot analyses of $B^0 \rightarrow \pi^+\pi^-\pi^0$ . Physical Review Letters, 2015, 114, 171801.	7.8	15
156	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. Astrophysical Journal, 2015, 808, 95.	4.7	32
157	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1260-1265.	4.5	132
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162	.	4.7	2

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183	First Observation of the Decay $K_L^0 \rightarrow \pi^0 e^+ e^-$ . Physical Review Letters, 2001, 87, .	7.8	5
184	New measurement of the radiative $K_{e3}$ branching ratio and photon spectrum. Physical Review D, 2001, 64, .	4.7	10
185	First Measurement of Form Factors of the Decay $\tilde{Z}^0 \rightarrow \pi^+ e^- \pi^-$ . Physical Review Letters, 2001, 87, 132001.	7.8	29
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188	Measurements of the Rare Decay $K_L^0 \rightarrow e^+ e^- e^+ e^-$ . Physical Review Letters, 2001, 86, 5425-5429.	7.8	17
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195	Observation of Direct CP Violation in $K_S^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 1999, 83, 22-27.	7.8	323
196	Observation of the Decay $\tilde{Z}^0 \rightarrow \pi^+ e^- \pi^-$ . Physical Review Letters, 1999, 82, 3751-3754.	7.8	19
197	Measurement of the Branching Ratio of $\pi^0 \rightarrow e^+ e^- \gamma$ Using $K_L^0 \rightarrow \pi^0$ Decays in Flight. Physical Review Letters, 1999, 83, 922-925.	7.8	13
198	Measurement of the Decay $K_L^0 \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 1999, 83, 917-921.	7.8	35

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209	Search for Squarks and Gluinos via Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\hat{s}=1.8$ TeV. Physical Review Letters, 1995, 75, 613-617.	7.8	9
210	Limit on the Branching Ratio of $KL \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ . Physical Review Letters, 1994, 72, 3758-3761.	7.8	23
211	Measurement of $p\bar{p}$ single diffraction dissociation at $\hat{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5535-5549.	4.7	105
212	Measurement of small angle antiproton-proton elastic scattering at $\hat{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534.	4.7	139
213	Measurement of the Branching Ratio of $KL \rightarrow e^+ e^- \mu^+ \mu^-$ . Physical Review Letters, 1994, 73, 2169-2172.	7.8	8
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218	Measurement of the $B$ -meson and $b$ -quark cross sections at $\hat{s}=1.8$ 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
219	Search for the decay $K_L \rightarrow \tau^+ \nu_\tau \nu_\tau$ . <i>Physical Review D</i> , 1994, 50, 1874-1878.	4.7	5
220	A limit on the lepton-family number violating process $\bar{e} \rightarrow \tau^+ \nu_\tau \nu_\tau$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 320, 407-410.	4.1	7
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222	Measurement of the antiproton-proton total cross section at $\hat{s}=546$ and 1800 GeV. <i>Physical Review D</i> , 1994, 50, 5550-5561.	4.7	178
223	Comparison of jet production in $p\bar{p}$ -collisions at $\hat{s}=546$ and 1800 GeV. <i>Physical Review Letters</i> , 1993, 70, 1376-1380.	7.8	47
224	Measurement of jet multiplicity in $W$ events produced in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 70, 4042-4046.	7.8	17
225	Search for first-generation leptoquarks in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review D</i> , 1993, 48, R3939-R3944.	4.7	31
226	Inclusive $\tau^+$ and $b$ -quark production in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 71, 2537-2541.	7.8	92
227	Prompt photon cross section measurement in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review D</i> , 1993, 48, 2998-3025.	4.7	63
228	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
229	Measurement of jet shapes in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 70, 713-717.	7.8	40
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231	Search for $\tau^+ \nu_\tau \nu_\tau$ in $p\bar{p}$ -collisions at $\hat{s}=1.8$ TeV. <i>Physical Review D</i> , 1993, 47, R2639-R2643.	4.7	14
232	Limit on the branching ratio of $K_L \rightarrow \tau^+ \nu_\tau e^+ e^-$ . <i>Physical Review Letters</i> , 1993, 71, 3918-3921.	7.8	17
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236	Center-of-mass angular distribution of prompt photons produced in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1993, 71, 679-683.	7.8	7
237	Limit on the branching ratio of $K_L \rightarrow \tau^+ \nu_\tau + \tau^+ \nu_\tau$ . Physical Review Letters, 1993, 71, 3914-3917.	7.8	6
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239	Search for New Gauge Bosons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 1463-1467.	7.8	48
240	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
241	Dijet angular distribution in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 2896-2900.	7.8	23
242	Limit on the rare decay $W \rightarrow \tau^+ \nu_\tau + \tau^+ \nu_\tau$ in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 2160-2163.	7.8	4
243	Measurement of the isolated prompt photon cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 2734-2738.	7.8	47
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245	Measurement of the ratio $B(W \rightarrow \tau^+ \nu_\tau, 1/2) / B(W \rightarrow e^+ \nu_e, 1/2)$ in $pp$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 3398-3402.	7.8	26
246	Properties of events with large total transverse energy produced in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1992, 45, 2249-2263.	4.7	10
247	Lepton asymmetry in $W$ -boson decays from $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 1458-1462.	7.8	10
248	Topology of three-jet events in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1992, 45, 1448-1458.	4.7	275
249	Inclusive $J/\psi$ , $\psi(2S)$ , and $b$ -quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 3704-3708.	7.8	243
250	Measurement of the $B$ -meson and $b$ -quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B \rightarrow \tau^+ \nu_\tau + K^+$ . Physical Review Letters, 1992, 68, 3403-3407.	7.8	37
251	Limits on the production of massive stable charged particles. Physical Review D, 1992, 46, R1889-R1894.	4.7	26
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257	Measurement of the Z-boson $p_T$ distribution in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1991, 67, 2937-2941.	7.8	33
258	Measurement of $\sigma(B(W\hat{\rightarrow}e^{1/2})$ and $\sigma(B(Z\hat{\rightarrow}e+e\bar{e}))$ in $p\bar{p}$ collisions at $\sqrt{s}=1800$ GeV. Physical Review D, 1991, 44, 29-52.	67	
259	Search for $W\hat{\rightarrow}e^{1/2}$ and $W\hat{\rightarrow}e^{1/4}e^{1/2}$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1991, 67, 2609-2613.	29	
260	Measurement of the $e^+e^-$ Invariant-Mass Distribution in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1991, 67, 2418-2422.	7.8	35
261	Measurement of QCD jet broadening in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1991, 44, 601-616.	4.7	12
262	Determination of $\sin 2\hat{\Delta}W$ from the forward-backward asymmetry in $p\bar{p}\hat{\rightarrow}Z\hat{\rightarrow}e+e\bar{e}$ interactions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1991, 67, 1502-1506.	7.8	10
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267	Two-jet differential cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1990, 64, 157-160.	7.8	15
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272	Two-jet invariant mass distribution at $\sqrt{s} = 1.8\text{TeV}$ . Physical Review D, 1990, 41, 1722-1725.	4.7	42
273	Pseudorapidity distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s} = 630$ and $1800\text{ GeV}$ . Physical Review D, 1990, 41, 2330-2333.	4.7	187
274	Limits on the masses of supersymmetric particles from $1.8\text{-TeV } p\bar{p}$ collisions. Physical Review Letters, 1989, 62, 1825-1828.	7.8	110
275	Measurement of $W$ -boson production in $1.8\text{-TeV } p\bar{p}$ collisions. Physical Review Letters, 1989, 62, 1005-1008.	7.8	28
276	Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8\text{TeV}$ . Physical Review Letters, 1989, 62, 613-616.	7.8	72
277	Measurement of the mass and width of the $Z^0$ boson at the Fermilab Tevatron. Physical Review Letters, 1989, 63, 720-723.	7.8	86
278	Search for heavy stable particles in $1.8\text{-TeV } p\bar{p}$ collisions at the Fermilab collider. Physical Review Letters, 1989, 63, 1447-1450.	7.8	25
279	Dijet angular distributions from $p\bar{p}$ collisions at $\sqrt{s} = 1.8\text{ TeV}$ . Physical Review Letters, 1989, 62, 3020-3023.	7.8	23
280	$K_S^0$ production in $p\bar{p}$ interactions at $\sqrt{s} = 630$ and $1800\text{ GeV}$ . Physical Review D, 1989, 40, 3791-3794.	4.7	19
281	The CDF detector: an overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 271, 387-403.	1.6	488
282	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
283	The CDF trigger. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 265, 326-335.	1.6	4
284	Transverse-momentum distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s} = 630$ and $1800\text{ GeV}$ . Physical Review Letters, 1988, 61, 1819-1822.	7.8	182
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