

Barbara De Lotto

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324
papers

15,275
citations

63
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107
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328
ext. papers

16,500
ext. citations

4.8
avg, IF

2.8
L-index

#	Paper	IF	Citations
324	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011 , 32, 193-316	1.3	496
323	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
322	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
321	ATLAS pixel detector electronics and sensors. <i>Journal of Instrumentation</i> , 2008 , 3, P07007-P07007	1	389
320	Variable Very High Energy Γ Ray Emission from Markarian 501. <i>Astrophysical Journal</i> , 2007 , 669, 862-883	4.7	371
319	Very-high-energy gamma rays from a distant quasar: how transparent is the universe?. <i>Science</i> , 2008 , 320, 1752-4	33.3	312
318	Variable very-high-energy gamma-ray emission from the microquasar LS I +61 303. <i>Science</i> , 2006 , 312, 1771-3	33.3	310
317	Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 378, 57-100	1.2	248
316	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , 2011 , 730, L8	7.9	242
315	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
314	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
313	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2011 , 736, 131	4.7	212
312	VHE Γ Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2008 , 674, 1037-1055	4.7	212
311	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
310	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016 , 72, 76-94	2.4	199
309	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
308	Very High Energy Gamma-Ray Radiation from the Stellar Mass Black Hole Binary Cygnus X-1. <i>Astrophysical Journal</i> , 2007 , 665, L51-L54	4.7	174

307	INSIGHTS INTO THE HIGH-ENERGY γ RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI ERA. <i>Astrophysical Journal</i> , 2011 , 727, 129	4.7	159
306	Radio imaging of the very-high-energy gamma-ray emission region in the central engine of a radio galaxy. <i>Science</i> , 2009 , 325, 444-8	33.3	156
305	Observation of pulsed gamma-rays above 25 GeV from the Crab pulsar with MAGIC. <i>Science</i> , 2008 , 322, 1221-4	33.3	148
304	Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 253-257	4.2	148
303	Discovery of Very High Energy Gamma Radiation from IC 443 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007 , 664, L87-L90	4.7	144
302	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012 , 35, 435-448	2.4	141
301	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
300	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006 , 638, L101-L104	4.7	123
299	Measurement of the standard model parameters from a study of W and Z bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 186, 440-451	4.2	122
298	THE 2010 VERY HIGH ENERGY γ RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012 , 746, 151	4.7	117
297	Implementation of the Random Forest method for the Imaging Atmospheric Cherenkov Telescope MAGIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 588, 424-432	1.2	116
296	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ events using pp collision data at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
295	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
294	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016 , 72, 61-75	2.4	101
293	Black hole physics. Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014 , 346, 1080-4	33.3	98
292	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007 , 663, 125-138	4.7	97
291	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , 2010 , 710, 634-647	4.7	95
290	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 008-008	6.4	93

- 289 A search for squark and gluino production at the CERN p collider. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 235, 363-372 4.2 91
- 288 A precise determination of the W and Z masses at the CERN p collider. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 241, 150-164 4.2 90
- 287 The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. *Astrophysical Journal Letters*, **2018**, 863, L10 7.9 88
- 286 Discovery of Very High Energy γ -Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. *Astrophysical Journal*, **2007**, 666, L17-L20 4.7 87
- 285 Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2043 4.2 82
- 284 Observation of VHE γ -rays from Cassiopeia A with the MAGIC telescope. *Astronomy and Astrophysics*, **2007**, 474, 937-940 5.1 82
- 283 Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. *Astroparticle Physics*, **2009**, 30, 293-305 2.4 80
- 282 Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2039 4.2 78
- 281 Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2056 4.2 78
- 280 PERIODIC VERY HIGH ENERGY γ -RAY EMISSION FROM LS I +61 β 03 OBSERVED WITH THE MAGIC TELESCOPE. *Astrophysical Journal*, **2009**, 693, 303-310 4.7 78
- 279 Measurement of the dependence of jet production at the CERN p collider. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1985**, 160, 349-356 4.2 77
- 278 Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. *Astrophysical Journal*, **2008**, 685, L23-L26 4.7 76
- 277 Observation of orbitally excited B mesons. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1995**, 345, 598-608 4.2 75
- 276 Phase-resolved energy spectra of the Crab pulsar in the range of 50-100 GeV measured with the MAGIC telescopes. *Astronomy and Astrophysics*, **2012**, 540, A69 5.1 74
- 275 THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. *Astrophysical Journal*, **2009**, 691, L13-L19 4.7 74
- 274 Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. *Astronomy and Astrophysics*, **2015**, 578, A22 5.1 74
- 273 Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. *Astrophysical Journal*, **2006**, 642, L119-L122 4.7 73
- 272 Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ TeV). *European Physical Journal C*, **2012**, 72, 1 4.2 70

271	Discovery of Very High Energy γ Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , 2006 , 648, L105-L108	4.7	70
270	DETECTION OF VERY HIGH ENERGY γ RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2010 , 723, L207-L212	7.9	69
269	A study of intermittency in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 137-147	4.2	69
268	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015 , 576, A126	5.1	67
267	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7; \text{TeV}$) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
266	Detection of very-high energy γ ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 539, L2	5.1	67
265	Bose-Einstein correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 286, 201-210	4.2	66
264	MAGIC Upper Limits on the Very High Energy Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007 , 667, 358-366	4.7	65
263	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016 , 585, A133	5.1	64
262	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016 , 819, 156	4.7	63
261	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014 , 569, A46	5.1	63
260	MAGIC Observations and multiwavelength properties of the quasar 3C 279 in 2007 and 2009. <i>Astronomy and Astrophysics</i> , 2011 , 530, A4	5.1	63
259	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. <i>Astrophysical Journal</i> , 2011 , 742, 43	4.7	63
258	Unfolding of differential energy spectra in the MAGIC experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 583, 494-506	1.2	63
257	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 541, A13	5.1	62
256	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1991 , 367, 511-574	2.8	62
255	DISCOVERY OF VERY HIGH ENERGY γ RAYS FROM THE BLAZAR S5 0716+714. <i>Astrophysical Journal</i> , 2009 , 704, L129-L133	4.7	61
254	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. <i>Astrophysical Journal</i> , 2008 , 679, 1029-1039	4.7	61

253	A comparison of jet production rates on the Z0 resonance to perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 167-176	4.2	61
252	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 7 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
251	MAGIC Observations of the Unidentified γ -Ray Source TeV J2032+4130. <i>Astrophysical Journal</i> , 2008 , 675, L25-L28	4.7	59
250	Detection of Very High Energy Radiation from the BL Lacertae Object PG 1553+113 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007 , 654, L119-L122	4.7	59
249	Measurement of the W and Z production cross sections in proton-proton collisions at (\sqrt{s} = 7 TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
248	A search for sleptons and gauginos in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 157-166	4.2	58
247	VERY HIGH ENERGY γ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE z = 0.940 BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015 , 815, L23	7.9	57
246	A precise measurement of the Z resonance parameters through its hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 435-448	4.2	56
245	Upper Limit for γ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , 2008 , 679, 428-431	4.7	55
244	Measurement of W and Z production properties at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 194, 158-166	4.2	55
243	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. <i>Astrophysical Journal</i> , 2011 , 729, 2	4.7	54
242	Searches for dark matter annihilation signatures in the Segue 1 satellite galaxy with the MAGIC-I telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011 , 2011, 035-035	6.4	53
241	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 541, A99	5.1	53
240	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
239	Multiwavelength (Radio, X-Ray, and γ -Ray) Observations of the γ -Ray Binary LS I +61 303. <i>Astrophysical Journal</i> , 2008 , 684, 1351-1358	4.7	51
238	Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006 , 639, 761-765	4.7	50
237	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009 , 703, 169-178	4.7	48
236	Search for exotic processes at the CERN pp collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 195, 613-622	4.2	48

235	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 485, 45-61	4.2	47
234	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. <i>Astrophysical Journal</i> , 2009 , 692, L29-L33	4.7	46
233	Search for light neutral Higgs particles produced in Z0-decays. <i>Nuclear Physics B</i> , 1990 , 342, 1-14	2.8	46
232	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. <i>Journal of High Energy Astrophysics</i> , 2015 , 5-6, 30-38	2.5	45
231	Measurement of W^\pm and Z 0 properties at the CERN(pp) p collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 30, 1-22		45
230	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. <i>Astronomy and Astrophysics</i> , 2012 , 542, A100	5.1	44
229	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
228	CORRELATED X-RAY AND VERY HIGH ENERGY EMISSION IN THE GAMMA-RAY BINARY LS I +61 303. <i>Astrophysical Journal</i> , 2009 , 706, L27-L32	4.7	44
227	Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006 , 643, L53-L56	4.7	44
226	Search for pair production of neutral Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 245, 276-288	4.2	44
225	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
224	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
223	MAGIC CONSTRAINTS ON γ RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , 2010 , 721, 843-855	4.7	42
222	Observation of Very High Energy γ Rays from the AGN 1ES 2344+514 in a Low Emission State with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007 , 662, 892-899	4.7	42
221	Direct photon production at the CERN p p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 176, 239-246	4.2	42
220	Search for decays of the W^\pm and Z bosons into quark-antiquark pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 186, 452-460	4.2	42
219	FIRST NuSTAR OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , 2015 , 812, 65	4.7	41
218	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41

217	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7\sim\text{TeV}$) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
216	Production of strange particles in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 275, 231-242	4.2	41
215	Production of Λ and $\bar{\Lambda}$ correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 318, 249-262	4.2	41
214	UPPER LIMITS ON THE VHE GAMMA-RAY EMISSION FROM THE WILLMAN 1 SATELLITE GALAXY WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009 , 697, 1299-1304	4.7	40
213	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. <i>Astroparticle Physics</i> , 2007 , 28, 273-286	2.4	40
212	Experimental study of the triple-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 255, 466-476	4.2	40
211	Determination of β_S from the scaling violation in the fragmentation functions in $e+e$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 311, 408-424	4.2	40
210	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015 , 573, A50	5.1	39
209	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014 , 567, A135	5.1	39
208	Discovery of VHE γ -rays from the blazar 1ES 215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012 , 544, A142	5.1	39
207	Search for an extended VHE γ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010 , 524, A77	5.1	38
206	Inclusive measurements of the production in hadronic Z0 decays. <i>Nuclear Physics B</i> , 1995 , 444, 3-26	2.8	38
205	A search for neutral Higgs particles in Z0 decays. <i>Nuclear Physics B</i> , 1992 , 373, 3-34	2.8	38
204	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016 , 595, A98	5.1	38
203	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
202	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , 1994 , 418, 403-427	2.8	37
201	Energy-energy correlations in hadronic final states from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 252, 149-158	4.2	37
200	Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy γ -rays. <i>Astronomy and Astrophysics</i> , 2014 , 564, A5	5.1	36

199	Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2014 , 563, A91	5.1	36
198	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017 , 603, A31	5.1	36
197	FADC signal reconstruction for the MAGIC telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 594, 407-419 ^{1,2}	1.2	36
196	Production of charged particles, K_S^0 , K_L^0 , p and π events and in the decay of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 347, 447-466	4.2	36
195	Evidence for B_S^0 meson production in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 289, 199-210	4.2	36
194	Search for heavy charged scalars in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 449-458	4.2	36
193	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
192	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mrk 501 IN A LOW STATE IN 2006. <i>Astrophysical Journal</i> , 2009 , 705, 1624-1631	4.7	35
191	Search for one large extra dimension with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2009 , 60, 17-23	4.2	35
190	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. <i>Astrophysical Journal</i> , 2006 , 641, L9-L12	4.7	35
189	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s} = 7\text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
188	Classification of the hadronic decays of the Z^0 into b and c quark pairs using a neural network. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 383-395	4.2	34
187	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , 2016 , 590, A24	5.1	34
186	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , 2012 , 748, 46	4.7	32
185	Study of W -boson polarisations and triple gauge boson couplings in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP 2. <i>European Physical Journal C</i> , 2008 , 54, 345-364	4.2	32
184	A study of three-jet events at the CERN($\bar{p}p$) collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 30, 341-353		32
183	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s} = 7\text{ TeV}$) with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
182	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s} = 7\text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31

181	Measurement of the triple-gluon vertex from 4-jet events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 357-368		31
180	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ($\sqrt{s}=900$) GeV and ($\sqrt{s}=7$) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	30
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178	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017 , 94, 29-41	2.4	29
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29	Search for single top quark production via contact interactions at LEP2. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	3
28	The MAGIC telescopes: performance, results and future perspectives. <i>Journal of Physics: Conference Series</i> , 2012 , 375, 052021	0.3	3
27	Search for a fourth generation b quark at LEP-II at $(\sqrt{s} = 196-209 \text{ GeV})$. <i>European Physical Journal C</i> , 2007 , 50, 507-518	4.2	3
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14	Di-jet production in e^+e^- collisions at LEP2. <i>European Physical Journal C</i> , 2008 , 58, 531-541	4.2	1
13	An upper limit for $\text{Br}(Z^0 \rightarrow i\text{gg})$ from symmetric 3-jet Z^0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 389, 405-415	4.2	1
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11	Search for Very High-energy Emission from the Millisecond Pulsar PSR J0218+4232. <i>Astrophysical Journal</i> , 2021 , 922, 251	4.7	1
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