

Paolo Bartalini

List of Publications by Year in descending order

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108
papers

14,296
citations

31902

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108
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108
docs citations

108
times ranked

9448
citing authors

#	ARTICLE	IF	CITATIONS
1	<p> D </p> <p> $N < N > 5.02$ </p> <p>Physical Review Letters, 2018, 120, 102301.</p>	2.9	80
2	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	6.5	399
3	<p> $N < N >$ </p> <p>Physical Review Letters, 2018, 120, 102301.</p>	2.9	13
4	<p> J </p> <p>Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.</p>	2.9	45
5	Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 162302.	2.9	8
6	Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 222301.	2.9	12
7	LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.	1.4	99
8	<p> J </p> <p>Measurement of an Excess in the Yield of J/ψ at Very Low $\sqrt{s_{NN}}$ in Pb-Pb Collisions at the LHC. Physical Review Letters, 2016, 116, 132302.</p>	2.9	77
9	<p> $p < p >$ </p> <p>Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.</p>	2.9	148
10	<p> W </p> <p>Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.</p>	2.9	182
11	<p> $p < p >$ </p> <p>Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.</p>	2.9	138
12	Centrality dependence of charged jet production in proton-proton collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 271.	1.4	31
13	Precision measurement of the mass difference between light nuclei and anti-nuclei. Nature Physics, 2015, 11, 811-814.	6.5	41
14	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	0.5	32
15	<p> W </p> <p>Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.</p>	2.9	45
16	<p> Z </p> <p>Measurement of Inclusive Z and W Boson Production Cross Sections in pp Collisions at $\sqrt{s_{NN}} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.</p>	2.9	94
17	<p> $p < p >$ </p> <p>Search for Top-Quark Partners with Charge Asymmetry in pp Collisions at $\sqrt{s_{NN}} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.</p>	2.9	76
18	<p> b </p> <p>Evidence of b-quark production in pp collisions at $\sqrt{s_{NN}} = 7$ TeV. Physical Review Letters, 2014, 113, 132301.</p>	2.9	85

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19	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	0.5	380
20	Observation of the Associated Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2012, 109, 251801.	2.9	108
21	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	282
22	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	90
23	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2012, 109, 152303.	2.9	43
24	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2012, 109, 152303.	2.9	45
25	MULTI-PARTICLE PRODUCTION OF HADRONS. Modern Physics Letters A, 2013, 28, 1330010.	0.5	1
26	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s}=7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	0.5	140
27	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	0.5	418
28	Investigation of the underlying event in pp collisions at the LHC with CMS. , 2012, , .		0
29	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	2.9	62
30	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2012, 109, 171803.	2.9	118
31	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	65
32	Study of the Dijet Mass Spectrum in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 251801.	2.9	15
33	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126
34	Observation of Sequential W Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	2.9	220
35	Observation of a New Λ_b Baryon. Physical Review Letters, 2012, 108, 252002.	2.9	65
36	Performance of τ , q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	0.5	91

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37	Measurement of Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012, 7, P10002-P10002.	2.9	53
38	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. <i>Science</i> , 2012, 338, 1569-1575.	6.0	85
39	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012, 7, P10002-P10002.	0.5	467
40	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. <i>Physical Review Letters</i> , 2012, 108, 111801.	2.9	63
41	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 201804.	2.9	54
42	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011, 6, P09001-P09001.	0.5	102
43	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2011, 106, 212201.	2.9	80
44	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. <i>Physical Review Letters</i> , 2011, 106, 211802.	2.9	47
45	Search for a Vectorlike Quark with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 211801.	2.9	53
46	Search for a Vectorlike Quark with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 211801.	2.9	59
47	Measurement of the $B \rightarrow 0$ Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 211801.	2.9	125
48	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011, 6, P11002-P11002.	2.9	61
49	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011, 6, P11002-P11002.	0.5	508
50	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 2657.	0.3	0
51	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. <i>Journal of Instrumentation</i> , 2010, 5, T03013-T03013.	0.5	20
52	Performance of the CMS drift tube chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03015-T03015.	0.5	24
53	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. <i>Journal of Instrumentation</i> , 2010, 5, T03019-T03019.	0.5	19
54	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03009-T03009.	0.5	59

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55	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
56	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18
57	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
58	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
59	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
60	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
61	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
62	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
63	Search for Dijet Resonances in 7 TeV $p\bar{p}$ Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
64	The CMS Collaboration. Nuclear Physics A, 2009, 830, 946c-956c.	0.6	0
65	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
66	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
67	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
68	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	1.4	136
69	Study of inclusive strange-baryon production and search for pentaquarks in two-photon collisions at LEP. European Physical Journal C, 2007, 49, 395-410.	1.4	6
70	A standard format for Les Houches Event Files. Computer Physics Communications, 2007, 176, 300-304.	3.0	295
71	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
72	Measurement of the mass and the width of the W boson at LEP. European Physical Journal C, 2006, 45, 569-587.	1.4	41

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73	LCG Generator Services. Nuclear Physics, Section B, Proceedings Supplements, 2006, 156, 257-260.	0.5	0
74	A search for flaring very-high-energy cosmic \hat{I}^3 -ray sources with the L3+C muon spectrometer. Astroparticle Physics, 2006, 25, 298-310.	1.9	3
75	Measurement of the shadowing of high-energy cosmic rays by the Moon: A search for TeV-energy antiprotons. Astroparticle Physics, 2005, 23, 411-434.	1.9	28
76	Test results on heavily irradiated silicon detectors for the CMS experiment at LHC. IEEE Transactions on Nuclear Science, 2000, 47, 2092-2100.	1.2	0
77	Tracking with heavily irradiated silicon detectors operated at cryogenic temperatures. IEEE Transactions on Nuclear Science, 1999, 46, 228-231.	1.2	3
78	Jet pseudorapidity distribution in direct photon events in $pp\hat{A}^-$ collisions at $s=1.8\text{TeV}$. Physical Review D, 1998, 57, 1359-1365.	1.6	3
79	Reconstruction of $B\hat{O}\hat{a}^+\hat{J}/\hat{I}^K\hat{S}\hat{O}$ and Measurement of Ratios of Branching Ratios Involving $B\hat{a}^+\hat{J}/\hat{I}^K^*$ and $B+\hat{a}^+\hat{J}/\hat{I}^K+$. Physical Review Letters, 1996, 76, 2015-2020.	2.9	24
80	Search for the Rare Decay $W\hat{A}\hat{\pm}\hat{a}^+\hat{I}^{\hat{E}\hat{A}\hat{\pm}+\hat{I}^3}$. Physical Review Letters, 1996, 76, 2852-2857.	2.9	6
81	Measurement of correlated $\hat{I}^{\hat{I}^4-b\hat{A}^-}$ jet cross sections in $pp\hat{A}^-$ collisions at $s=1.8\text{TeV}$. Physical Review D, 1996, 53, 1051-1065.	1.6	42
82	Measurement of the mass of the $B_s\hat{O}$ meson. Physical Review D, 1996, 53, 3496-3505.	1.6	9
83	$\hat{I}^{\hat{I}}$ Production in $pp\hat{A}^-$ Collisions at $s=1.8\text{TeV}$. Physical Review Letters, 1995, 75, 4358-4363.	2.9	82
84	Measurement of the B_s Meson Lifetime. Physical Review Letters, 1995, 74, 4988-4992.	2.9	19
85	Search for New Particles Decaying to Dijets in $pp\hat{A}^-$ Collisions at $\hat{s}s=1.8\text{TeV}$. Physical Review Letters, 1995, 74, 3538-3543.	2.9	59
86	Properties of High-Mass Multijet Events at the Fermilab Proton-Antiproton Collider. Physical Review Letters, 1995, 75, 608-612.	2.9	25
87	Measurement of the ratio $\hat{I}^{\hat{I}^f B(pp\hat{A}^- \hat{a}^+ W\hat{a}^+ e\hat{I}^{\hat{I}^2})/\hat{I}^{\hat{I}^f B(pp\hat{A}^- \hat{a}^+ Z\hat{O}\hat{a}^+ ee)}$ in $pp\hat{A}^-$ collisions at $\hat{s}s=1800\text{GeV}$. Physical Review D, 1995, 52, 2624-2655.	1.6	46
88	Limits on Z-Photon Couplings from $p-p\hat{A}^-$ Interactions at $s=1.8\text{TeV}$. Physical Review Letters, 1995, 74, 1941-1945.	2.9	36
89	Identification of top quarks using kinematic variables. Physical Review D, 1995, 52, R2605-R2609.	1.6	23
90	Measurement of the Polarization in the Decays $B\hat{d}\hat{a}^+\hat{J}/\hat{I}^K^*\hat{O}$ and $B_s\hat{a}^+\hat{J}/\hat{I}^{\hat{I}^{\hat{I}}}$. Physical Review Letters, 1995, 75, 3068-3072.	2.9	23

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91	Search for Charged Bosons Heavier than the W Boson in $pp\bar{p}$ Collisions at $\sqrt{s}=1800\text{GeV}$. Physical Review Letters, 1995, 74, 2900-2904.	2.9	45
92	Measurement of the B Meson Differential Cross Section $d\sigma/dp_T$ in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1995, 75, 1451-1455.	2.9	123
93	Observation of Rapidity Gaps in $p\bar{p}$ Collisions at 1.8 TeV. Physical Review Letters, 1995, 74, 855-859.	2.9	71
94	Search for Second Generation Leptoquarks in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1995, 75, 1012-1016.	2.9	22
95	Kinematic evidence for top quark pair production in W +multijet events in $pp\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1995, 51, 4623-4637.	1.6	30
96	Study of $t\bar{t}$ Production in $pp\bar{p}$ Collisions Using Total Transverse Energy. Physical Review Letters, 1995, 75, 3997-4002.	2.9	19
97	Charge Asymmetry in W -Boson Decays Produced in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1995, 74, 850-854.	2.9	61
98	Search for Squarks and Gluinos via Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1995, 75, 613-617.	2.9	9
99	Direct Measurement of the W Boson Width. Physical Review Letters, 1995, 74, 341-345.	2.9	24
100	Observation of Top Quark Production in $p\bar{p}$ Collisions with the Collider Detector at Fermilab. Physical Review Letters, 1995, 74, 2626-2631.	2.9	1,240
101	Measurement of the B^+ and B^0 meson lifetimes. Physical Review Letters, 1994, 72, 3456-3460.	2.9	25
102	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1994, 50, 2966-3026.	1.6	400
103	Search for excited quarks in $pp\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 72, 3004-3008.	2.9	30
104	Search for the Top Quark Decaying to a Charged Higgs Boson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 73, 2667-2671.	2.9	16
105	W Boson + Jet Angular Distribution in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 73, 2296-2300.	2.9	5
106	Search for the top quark decaying to a charged Higgs boson in $pp\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 72, 1977-1981.	2.9	17
107	Evidence for color coherence in $pp\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1994, 50, 5562-5579.	1.6	53
108	Precision Measurement of the Prompt Photon Cross Section in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1994, 73, 2662-2666.	2.9	107