

Fabrizio Coccetti

List of Publications by Year in descending order

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89
papers

7,847
citations

61984

43
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66911

78
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91
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91
docs citations

91
times ranked

6518
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#	ARTICLE	IF	CITATIONS
1	Elliptic Flow of Charged Particles in Pb-Pb Collisions at Long-range angular correlations on the near and away side in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 106, 032301.	7.8	659
2	Central Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	4.1	561
3	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	7.8	507
4	Central Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	4.1	433
5	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	4.1	301
6	Two-pion Bose-Einstein Correlations in Central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 328-337.	7.8	296
7	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	235
8	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 012301.	4.7	228
9	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.	3.9	202
10	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	7.8	194
11	Harmonic decomposition of two-particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	4.1	188
12	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	4.1	184
13	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	171
14	Elliptic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	4.1	156
15	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	7.8	155
16	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 117-120.	7.8	151

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19	Strange particle production in proton-proton collisions at $\sqrt{s}=0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	140
20	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	139
21	Rapidity and transverse momentum dependence of inclusive charm production in pp collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	4.1	133
22	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	115
23	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
24	Production of $\Lambda(1520)$ and $\Sigma(1385)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
25	Polarization in Λ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	7.8	99
26	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	97
27	Polarization in Λ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	7.8	96
28	Femtoscopy of Λ production in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 108, 092301.	4.7	93
29	Production of Λ as a function of charged particle multiplicity in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	93
30	Production of Λ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	88
31	Measurement of the cross section for electromagnetic dissociation with neutron emission in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	7.8	86
32	Multi-strange baryon production in pp collisions at $\sqrt{s}=7$ TeV with ALICE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	84
33	Forward rapidity production of Λ in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	84
34	Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	84
35	Measurement of the cross section for electromagnetic dissociation with neutron emission in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	7.8	86
36	Meson production at central rapidity in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306.	4.1	84

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37	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = \{2.76, 2.76\}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
38	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
39	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
40	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.1	51
41	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
42	Light vector meson production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	45
43	Optimizing 10-Gigabit Ethernet for Networks of Workstations, Clusters, and Grids. , 2003, , .		41
44	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	32
45	Observation of the February 2011 Forbush decrease by the EEE telescopes. European Physical Journal Plus, 2011, 126, 1.	2.6	31
46	Underlying Event measurements in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
47	Charged pion femtoscopic correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 151-161.	4.7	27
48	Search for long distance correlations between extensive air showers detected by the EEE network. European Physical Journal Plus, 2018, 133, 1.	2.6	25
49	Hidden forces and fluctuations from moving averages: A test study. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 30-37.	4.1	28
50	Hidden forces and fluctuations from moving averages: A test study. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 30-37.	2.6	21
51	The Extreme Energy Events experiment: an overview of the telescopes performance.. Journal of Instrumentation, 2018, 13, P08026-P08026.	1.2	20
52	Comparison between glass and glass-ceramic silica-hafnia matrices on the down-conversion efficiency of Tb ³⁺ /Yb ³⁺ rare earth ions. Optical Materials, 2019, 87, 102-106.	3.6	19
53	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
54	Ag nanoaggregates as efficient broadband sensitizers for Tb ³⁺ ions in silica-zirconia ion-exchanged sol-gel glasses and glass-ceramics. Optical Materials, 2018, 84, 668-674.	3.6	14

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55	Roughness and finite size effect in the NYSE stock-price fluctuations. European Physical Journal B, 2007, 55, 135-142.	1.5	11
56	Preferential exchange: Strengthening connections in complex networks. Physical Review E, 2004, 70, 027102.	2.1	10
57	Precision measurements of branching fractions for $\Lambda_c^0 \rightarrow \Lambda^0 \ell^+ \ell^-$ decays. Physical Review D, 2012, 86, 074017.	4.7	7
58	Towards the installation and use of an extended array for cosmic ray detection: The EEE Project. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 38-43.	0.4	6
59	The EEE Project: a sparse array of telescopes for the measurement of cosmic ray muons. Journal of Instrumentation, 2016, 11, C12056-C12056.	1.2	6
60	The EEE MRPC telescopes as tracking tools to monitor building stability with cosmic muons. Journal of Instrumentation, 2019, 14, P06035-P06035.	1.2	6
61	Exact results for the roughness of a finite size random walk. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 127-131.	2.6	5
62	Observation of $\Lambda_c^0 \rightarrow \Lambda^0 \ell^+ \ell^-$ decay into $\Lambda^0 \ell^+ \ell^-$ and $\Lambda^0 \ell^+ \ell^-$ decays. Physical Review D, 2012, 86, 074017.	4.7	5
63	The new trigger/GPS module for the EEE project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 376-377.	1.6	5
64	Strategies to reduce the environmental impact in the MRPC array of the EEE experiment. Journal of Instrumentation, 2020, 15, C11011-C11011.	1.2	5
65	New Eco-gas mixtures for the Extreme Energy Events MRPCs: results and plans. Journal of Instrumentation, 2019, 14, C08008-C08008.	1.2	4
66	Performance of the Multigap Resistive Plate Chambers of the Extreme Energy Events Project. Journal of Instrumentation, 2019, 14, C05022-C05022.	1.2	3
67	First results from the upgrade of the Extreme Energy Events experiment. Journal of Instrumentation, 2019, 14, C08005-C08005.	1.2	3
68	Light management in solar cells: Recent advances. , 2017, , .		2
69	Search for coincident air showers over large scale distances with the EEE network. Nuclear and Particle Physics Proceedings, 2019, 306-308, 175-182.	0.5	2
70	Measurements with cosmic muons to monitor the stability of a civil building on a long time-scale. Journal of Instrumentation, 2020, 15, C03058-C03058.	1.2	2
71	New high precision measurements of the cosmic charged particle rate beyond the Arctic Circle with the PolarquEEEst experiment. European Physical Journal C, 2020, 80, 1.	3.9	2
72	A simulation tool for MRPC telescopes of the EEE project. Journal of Instrumentation, 2020, 15, C10021-C10021.	1.2	2

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73	Results from the PolarquEEEst missions. Journal of Physics: Conference Series, 2020, 1561, 012001.	0.4	1
74	MRPC Telescope Simulation for the Extreme Energy Events Experiment. Journal of Physics: Conference Series, 2020, 1561, 012015.	0.4	1
75	Monitoring the long term stability of civil buildings through the MRPC telescopes of the EEE Project. Journal of Physics: Conference Series, 2020, 1561, 012019.	0.4	1
76	The EEE Multigap Resistive Plate Chambers as tracking devices to monitor the stability of a civil building. Journal of Instrumentation, 2021, 16, C04003.	1.2	1
77	The cosmic muon and detector simulation framework of the extreme energy events (EEE) experiment. European Physical Journal C, 2021, 81, 1.	3.9	1
78	Underlying Event measurements in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV with the ALICE experiment at the LHC. , 0, .		1
79	Extensive Cosmic Showers Detection: Metrological Characterization and Optimization of the EEE Timing System. , 0, , .		1
80	Search for Multi-Coincidence Cosmic Ray Events over Large Distances with the EEE MRPC Telescopes. J, 2021, 4, 838-848.	0.9	1
81	First detection of extensive air shower with the EEE experiment. , 2009, , .		0
82	The zero degree detector at BESIII. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 118-120.	1.6	0
83	The new Trigger/GPS module for the extreme energy events project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162358.	1.6	0
84	Performance of the multigap resistive plate chambers of the extreme energy events project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 474-475.	1.6	0
85	Test of new eco-gas mixtures for the multigap resistive plate chambers of the EEE project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 493-494.	1.6	0
86	Scientific and educational aspects of the EEE Project. Journal of Physics: Conference Series, 2020, 1561, 012012.	0.4	0
87	Extreme Energy Events: an extended multi purpose cosmic ray observatory. Journal of Physics: Conference Series, 2020, 1468, 012103.	0.4	0
88	Characteristics and performance of the Multigap Resistive Plate Chambers of the EEE experiment. Journal of Instrumentation, 2020, 15, C11014-C11014.	1.2	0
89	Underground muon flux measured by EEE students. Journal of Physics: Conference Series, 2021, 2156, 012165.	0.4	0