

# Fabrizio Coccetti

## List of Publications by Year in descending order

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89  
papers

7,847  
citations

61984

43  
h-index

66911

78  
g-index

91  
all docs

91  
docs citations

91  
times ranked

6518  
citing authors

#	ARTICLE	IF	CITATIONS
1	The EEE Multigap Resistive Plate Chambers as tracking devices to monitor the stability of a civil building. <i>Journal of Instrumentation</i> , 2021, 16, C04003.	1.2	1
2	The cosmic muon and detector simulation framework of the extreme energy events (EEE) experiment. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	1
3	Search for Multi-Coincidence Cosmic Ray Events over Large Distances with the EEE MRPC Telescopes. <i>J</i> , 2021, 4, 838-848.	0.9	1
4	Underground muon flux measured by EEE students. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012165.	0.4	0
5	Scientific and educational aspects of the EEE Project. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012012.	0.4	0
6	Extreme Energy Events: an extended multi purpose cosmic ray observatory. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012103.	0.4	0
7	Results from the PolarquEEEst missions. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012001.	0.4	1
8	MRPC Telescope Simulation for the Extreme Energy Events Experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012015.	0.4	1
9	Monitoring the long term stability of civil buildings through the MRPC telescopes of the EEE Project. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012019.	0.4	1
10	Measurements with cosmic muons to monitor the stability of a civil building on a long time-scale. <i>Journal of Instrumentation</i> , 2020, 15, C03058-C03058.	1.2	2
11	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , 2020, 15, P02024-P02024.	1.2	19
12	New high precision measurements of the cosmic charged particle rate beyond the Arctic Circle with the PolarquEEEst experiment. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	2
13	A simulation tool for MRPC telescopes of the EEE project. <i>Journal of Instrumentation</i> , 2020, 15, C10021-C10021.	1.2	2
14	Strategies to reduce the environmental impact in the MRPC array of the EEE experiment. <i>Journal of Instrumentation</i> , 2020, 15, C11011-C11011.	1.2	5
15	Characteristics and performance of the Multigap Resistive Plate Chambers of the EEE experiment. <i>Journal of Instrumentation</i> , 2020, 15, C11014-C11014.	1.2	0
16	Comparison between glass and glass-ceramic silica-hafnia matrices on the down-conversion efficiency of Tb <sup>3+</sup> /Yb <sup>3+</sup> rare earth ions. <i>Optical Materials</i> , 2019, 87, 102-106.	3.6	19
17	The new Trigger/GPS module for the extreme energy events project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 942, 162358.	1.6	0
18	Performance of the Multigap Resistive Plate Chambers of the Extreme Energy Events Project. <i>Journal of Instrumentation</i> , 2019, 14, C05022-C05022.	1.2	3

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19	New Eco-gas mixtures for the Extreme Energy Events MRPCs: results and plans. Journal of Instrumentation, 2019, 14, C08008-C08008.	1.2	4
20	First results from the upgrade of the Extreme Energy Events experiment. Journal of Instrumentation, 2019, 14, C08005-C08005.	1.2	3
21	The EEE MRPC telescopes as tracking tools to monitor building stability with cosmic muons. Journal of Instrumentation, 2019, 14, P06035-P06035.	1.2	6
22	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
23	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
24	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
25	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
26	The Extreme Energy Events experiment: an overview of the telescopes performance.. Journal of Instrumentation, 2018, 13, P08026-P08026.	1.2	20
27	Ag nanoaggregates as efficient broadband sensitizers for Tb <sup>3+</sup> ions in silica-zirconia ion-exchanged sol-gel glasses and glass-ceramics. Optical Materials, 2018, 84, 668-674.	3.6	14
28	Search for long distance correlations between extensive air showers detected by the EEE network. European Physical Journal Plus, 2018, 133, 1.	2.6	25
29	Light management in solar cells: Recent advances. , 2017, , .		2
30	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
31	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
32	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.		301
33	Photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.1	171
34	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, 719, 29-41.	4.1	51
35	Long-range angular correlations on the near and away side in p-p collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	4.1	156
36	Long-range angular correlations on the near and away side in p-p collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	4.1	561

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37	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
38	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, 2013, 722, 262-272.	4.1	68
39	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
40	Pseudorapidity Density of Charged Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252302.	7.8	155
41	Observation of $\Lambda$ baryon production in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252302.	4.7	27
42	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, 2013, 722, 262-272.	4.7	5
43	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252302.	7.8	151
44	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, 2013, 722, 262-272.	7.8	101
45	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, 2013, 722, 262-272.	7.8	67
46	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, 2013, 722, 262-272.	7.8	99
47	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, 2013, 722, 262-272.	7.8	96
48	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, 2013, 722, 262-272.	7.8	194
49	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, 2013, 722, 262-272.	4.7	7
50	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, 2013, 722, 262-272.	7.8	186
51	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, 2013, 722, 262-272.	7.8	97
52	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, 2013, 722, 262-272.	4.7	57
53	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
54	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

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55	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.	4.7	228
56	Measurement of prompt $J/\psi$ 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
57	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 252301.	4.7	184
58	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	32
59	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
60	Correlations in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 151-161.	4.1	58
61	and $D$ production in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	133
62	meson production at central rapidity in proton-proton collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	59
63	production in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	88
64	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
65	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 265-275.	4.1	188
66	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 265-275.	4.1	69
67	Light vector meson production in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	45
68	$\bar{K}^*$ production as a function of charged particle multiplicity in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 269-318.	4.1	93
69	Strange baryon production in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV with ALICE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 269-318.	4.1	64
70	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
71	Femtoscopy of pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 25-34.	4.7	93
72	Rapidity and transverse momentum dependence of inclusive $\bar{K}^*$ production in pp collisions at $\sqrt{s}=0.9$ and $2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 269-318.	4.1	115

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73	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
74	Observation of the February 2011 Forbush decrease by the EEE telescopes. European Physical Journal Plus, 2011, 126, 1.	2.6	31
75	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	4.1	433
76	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 107, 032301.	4.1	235
77	Central Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	7.8	507
78	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 107, 032301.	7.8	482
79	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	7.8	296
80	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	7.8	659
81	First detection of extensive air shower with the EEE experiment. , 2009, , .		0
82	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
83	Roughness and finite size effect in the NYSE stock-price fluctuations. European Physical Journal B, 2007, 55, 135-142.	1.5	11
84	Hidden forces and fluctuations from moving averages: A test study. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 30-37.	2.6	21
85	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
86	Preferential exchange: Strengthening connections in complex networks. Physical Review E, 2004, 70, 027102.	2.1	10
87	Optimizing 10-Gigabit Ethernet for Networks of Workstations, Clusters, and Grids. , 2003, , .		41
88	Underlying Event measurements in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV with the ALICE experiment at the LHC. , 0, , .		1
89	Extensive Cosmic Showers Detection: Metrological Characterization and Optimization of the EEE Timing System. , 0, , .		1