

Edmund Widl

List of Publications by Year in descending order

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Version: 2024-02-01

249
papers

22,530
citations

16451

64
h-index

9103

144
g-index

250
all docs

250
docs citations

250
times ranked

11535
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of two approaches for modeling the thermal domain of multi-energy networks. , 2022, , .		3
2	Linking Semantic 3D City Models with Domain-Specific Simulation Tools for the Planning and Validation of Energy Applications at District Level. Sustainability, 2021, 13, 8782.	3.2	5
3	Control assessment in coupled local district heating and electrical distribution grids: Model predictive control of electric booster heaters. Energy, 2020, 210, 118540.	8.8	8
4	Model-Based Virtual Components in Event-Based Controls: Linking the FMI and IEC 61499. Applied Sciences (Switzerland), 2020, 10, 1611.	2.5	4
5	Combined Optimal Design and Control of Hybrid Thermal-Electrical Distribution Grids Using Co-Simulation. Energies, 2020, 13, 1945.	3.1	9
6	Heat demand peak shaving in urban integrated energy systems by demand side management - A techno-economic and environmental approach. Energy, 2019, 186, 115887.	8.8	28
7	ZerOBNL: A framework for distributed and reproducible co-simulation. , 2019, , .		2
8	An FMI-compliant Co-simulation Approach for Smart Grid ICT Assessments. , 2019, , .		1
9	A method for technical assessment of power-to-heat use cases to couple local district heating and electrical distribution grids. Energy, 2019, 182, 729-738.	8.8	48
10	Towards Scalable FMI-based Co-simulation of Wind Energy Systems Using PowerFactory. , 2019, , .		3
11	Case Studies of Energy Grid Hybridization in a Northern European City. IEEE Transactions on Sustainable Energy, 2019, 10, 1362-1369.	8.8	4
12	Interfacing Power System and ICT Simulators: Challenges, State-of-the-Art, and Case Studies. IEEE Transactions on Smart Grid, 2018, 9, 14-24.	9.0	77
13	An integrated pan-European research infrastructure for validating smart grid systems. Elektrotechnik Und Informationstechnik, 2018, 135, 616-622.	1.1	12
14	Operation of thermal-electric units in integrated electrical distribution and district heating networks. , 2018, , .		0
15	Co-simulation and control of power-to-heat units in coupled electrical and thermal distribution networks. , 2018, , .		3
16	Studying the potential of multi-carrier energy distribution grids: A holistic approach. Energy, 2018, 153, 519-529.	8.8	43
17	Simulation-Based Validation of Smart Grids " Status Quo and Future Research Trends. Lecture Notes in Computer Science, 2017, , 171-185.	1.3	33
18	Cyber-physical energy systems modeling, test specification, and co-simulation based testing. , 2017, , .		29

#	ARTICLE	IF	CITATIONS
19	A holistic study of energy network hybridization in a Northern European City. , 2017, , .		1
20	The optFUMOLA package: A simulation-based black-box optimization library and interface. , 2017, , .		0
21	A new method for optimizing operation of large neighborhoods of buildings using thermal simulation. Energy and Buildings, 2016, 125, 153-160.	6.7	21
22	Increasing the Utilization Ratio of Photovoltaic Energy by Network Hybridization. , 2016, , .		5
23	Using FMI components in discrete event systems. , 2015, , .		3
24	FMI-based co-simulation of hybrid closed-loop control system models. , 2015, , .		7
25	Requirements for real-time hardware integration into cyber-physical energy system simulation. , 2015, , .		6
26	Simulation of multi-domain energy systems based on the functional mock-up interface specification. , 2015, , .		13
27	On using FMI-based models in IEC 61499 control applications. , 2015, , .		2
28	Gekoppelte Simulation komplexer Energiesysteme mittels MOSAIK und FMI. Automatisierungstechnik, 2014, 62, 325-336.	0.8	15
29	Modeling intelligent energy systems: Co-Simulation platform for validating flexible-demand EV charging management. , 2014, , .		25
30	Guest Editorial Modeling, Simulation, and Application of Cyber-Physical Energy Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 2244-2246.	11.3	11
31	Simulating Cyber-Physical Energy Systems: Challenges, Tools and Methods. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 318-326.	9.3	126
32	Novel simulation concepts for buildings and community energy systems based on the Functional Mock-up Interface specification. , 2014, , .		3
33	Measurement of the $\overline{\sigma}_{\text{pp}}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
34	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
35	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
36	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	3.9	20

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37	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	4.1	20
38	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 42-61.	4.1	22
39	The FMI library: A high-level utility package for FMI for model exchange. , 2013, , .		25
40	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	24
41	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
42	Linking FMI-based components with discrete event systems. , 2013, , .		8
43	Modelica-enabled rapid prototyping of cyber-physical energy systems via the functional mockup interface. , 2013, , .		28
44	The high level architecture RTI as a master to the functional mock-up interface components. , 2013, , .		45
45	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma \rightarrow 2\gamma$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
46	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{t} . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
47	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
48	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.		28
49	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $pp \rightarrow Z Z$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	47
50	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $pp \rightarrow Z Z$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	9
51	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	18
52	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	34
53	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	6
54	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	32

#	ARTICLE	IF	CITATIONS
55	Search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.		
56	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.		
57	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	4.1	15
58	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 752-772.	4.1	28
59	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130
60	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.		
61	Modeling Intelligent Energy Systems: Co-Simulation Platform for Validating Flexible-Demand EV Charging Management. IEEE Transactions on Smart Grid, 2013, 4, 1939-1947.	9.0	45
62	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
63	Using the HLA for Distributed Continuous Simulations. , 2013, , .		7
64	Search for contact interactions in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	4.7	5
65	Search for fractionally charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	44
66	Search for pair production of dijet-generating leptoquarks and top squarks in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	4.7	41
67	Measurement of the azimuthal anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 042301.	7.8	118
68	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
69	Search for Pair Production of Di-jet-Generating Leptoquarks and Top Squarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	44
70	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	2.9	185
71	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	9
72	Co-simulation of components, controls and power systems based on open source software. , 2013, , .		28

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73	Distributed hybrid simulation using the HLA and the Functional Mock-up Interface. , 2013, , .		18
74	Search for pair production of first- and second-generation scalar leptaquarks in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	4.7	32
75	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.	7.8	62
76	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	118
77	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	29
78	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	7.8	49
79	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ$. Physical Review Letters, 2012, 109, 071803.	7.8	97
80	Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	65
81	Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	95
82	Search for supersymmetry in events with b -quark jets and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	4.7	18
83	Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	4.7	41
84	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	4.7	26
85	Study of the Dijet Mass Spectrum in pp Events at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	7.8	15
86	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
87	Observation of Sequential b -jet Production in pp Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
88	Observation of a New b -Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
89	Inclusive b -jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39

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91	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
92	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
93	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
94	Measurement of the cross section for production of $\bar{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
95	Measurement of the $Z \rightarrow b\bar{b}$ -jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
96	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
97	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
98	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
99	Search for leptonic decays of $W \rightarrow b\bar{c}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
100	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7 \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
101	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
102	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
103	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
104	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
105	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
106	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
107	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
108	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69

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109	Search for exclusive or semi-exclusive $\hat{t}\hat{t}^*$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
110	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
111	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
112	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
113	Search for resonant $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
114	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
115	Measurement of the top-quark mass in $\overline{t}t$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
116	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177
117	Measurement of the rapidity and transverse momentum distributions of production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	35
118	Measurement of the rapidity and transverse momentum distributions of production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	108
119	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	120
120	Measurement of the τ boson production cross section and the τ boson decay branching ratio in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	37
121	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	4.1	83
122	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	4.1	83
123	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	4.1	45
124	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	4.1	45
125	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	33

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127	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	154
128	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	129
129	Measurement of the top-quark mass in $\overline{\text{t}}\text{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	42
130	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	26

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145	Search for $B_{\text{ext}}^{\text{s}} \hat{t}^{\text{t}} + \hat{t}^{\text{t}} \hat{t}^{\text{t}}$ and $B \hat{t}^{\text{t}} + \hat{t}^{\text{t}} \hat{t}^{\text{t}}$ decays. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
146	Search for a Higgs boson in the decay channel $H \hat{t}^{\text{t}} Z Z^{(*)} \hat{t}^{\text{t}} q \overline{q}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
147	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
148	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
149	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
150	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	79
151	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	4.1	148
152	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	4.1	148
153	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
154	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	4.1	148
155	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
156	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
157	Search for the standard model Higgs boson decaying to $ZZ^{(*)} \gamma \gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
158	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	369
159	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	181
160	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
161	Exclusive $\hat{t}^{\text{t}} \hat{t}^{\text{t}}$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
162	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26

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163	Measurement of the production cross section in collisions at 7 TeV. Upsilon production cross section in collisions at 7 TeV. Physical Review D, 2011, 83, 052002.	4.7	45
164	Measurement of the differential cross section for isolated prompt photon production in collisions at 7 TeV. Physical Review D, 2011, 83, 052002.	4.7	88
165	Measurement of the production cross section with Cross Section with Observation and studies of jet quenching in PbPb collisions at 2.76 TeV. Physical Review C, 2011, 84, 054907.	4.7	65
166	Indications of Suppression of Excited States in Pb-Pb Collisions at 2.76 TeV. Physical Review Letters, 2011, 107, 052302.	4.7	35
167	Searches for supersymmetry with the CMS detector at the LHC. Journal of Physics: Conference Series, 2011, 335, 012069.	2.9	155
168	Measurement of W^+W^-Z production in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	7.8	153
169	Searches for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	7.8	54
170	Searches for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	0.4	0
171	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
172	Search for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	14
173	Search for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	12
174	Search for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	118
175	Search for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	8
176	Search for physics beyond the standard model using multilepton signatures in collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	28
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180	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122

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182	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
183	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
184	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
185	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
186	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
187	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
188	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
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203	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
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211	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	4.1	38
212	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 107-206.	4.1	27
213	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 107-206.	4.1	30
214	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 107-206.	4.1	30
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216	Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 107-206.	7.8	80

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219	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
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233	Channel Single Top Quark Production Cross Section in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221802.	7.8	70
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