Marcel Demarteau

List of Publications by Year
in descending order

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453 papers	21,577 citations	14614 66 h-index	19136 118 g-index
462 all docs	462 docs citations	462 times ranked	11565 citing authors

#	Article	IF	Citations
1	Feasibility of hard X-ray imaging using monolithic active pixel sensors (MAPS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161243.	0.7	0
2	Large area planar photocathode for MCP-based photodetectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 955, 163234.	0.7	2
3	AI-optimized detector design for the future Electron-Ion Collider: the dual-radiator RICH case. Journal of Instrumentation, 2020, 15, P05009-P05009.	0.5	14
4	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
5	Initial assessment of multilayer silicon detectors for hard X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162414.	0.7	4
6	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
7	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
8	Ultrafast inorganic scintillator-based front imager for Gigahertz Hard X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 223-229.	0.7	25
9	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
10	From optical to X-ray ghost imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 173-177.	0.7	6
11	Characteristics of fast timing MCP-PMTs in magnetic fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 929, 84-89.	0.7	9
12	Fast-timing microchannel plate photodetectors: Design, fabrication, and characterization. Review of Scientific Instruments, 2019, 90, 043109.	0.6	4
13	First experimental demonstration of time-resolved X-ray measurements with next-generation fast-timing MCP-PMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 287-292.	0.7	3
14	Top-quark physics at the CLIC electron-positron linear collider. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
15	Radiation tolerance study on irradiated AC-coupled, poly-silicon biased, p-on-n silicon strip sensors developed in India. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 913, 97-102.	0.7	0
16	Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 882, 1-10.	0.7	2
17	Temporal Response of Fast and Ultrafast Inorganic Scintillators. , 2018, , .		0
18	Design Improvement and Bias Voltage Optimization of Glass-Body Microchannel Plate Picosecond Photodetector. IEEE Transactions on Nuclear Science, 2017, 64, 1871-1879.	1.2	4

#	Article	IF	Citations
19	Design and R&D of RICH detectors for EIC experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 237-240.	0.7	13
20	Modular focusing ring imaging Cherenkov detector for electronâ€“ion collider experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 13-19.	0.7	13
21	Synchrotron x-ray study of a low roughness and high efficiency K₂CsSb photocathode during film growth. Journal Physics D: Applied Physics, 2017, 50, 205303.	1.3	15
22	Higgs physics at the CLIC electronâ€“positron linear collider. European Physical Journal C, 2017, 77, 475.	1.4	112
23	Particle and nuclear physics instrumentation and its broad connections. Reviews of Modern Physics, 2016, 88, .	16.4	6
24	Development of a low-cost fast-timing microchannel plate photodetector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 159-161.	0.7	8
25	MCP-based photodetectors for cryogenic applications. Journal of Instrumentation, 2016, 11, C02019-C02019.	0.5	3
26	Conceptual design studies for a CEPC detector. International Journal of Modern Physics A, 2016, 31, 1644021.	0.5	3
27	Recent progress in the development of 6 cm Ã— 6 cm micro-channel plate based photodetectors at Argonne National Laboratory. , 2015, , .		1
28	A Small Signal Amplifier Based on Ionic Liquid Gated Black Phosphorous Field Effect Transistor. IEEE Electron Device Letters, 2015, 36, 621-623.	2.2	13
29	Design and fabrication of prototype 6Ã—6 cm2 microchannel plate photodetector with bialkali photocathode for fast timing applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 242-247.	0.7	9
30	Development and testing of cost-effective, 6 cmÃ—6 cm MCP-based photodetectors for fast timing applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 804, 84-93.	0.7	10
31	Study of bi-alkali photocathode growth on glass by X-ray techniques for fast timing response photomultipliers. Proceedings of SPIE, 2014, , .	0.8	1
32	Ambipolar Phosphorene Field Effect Transistor. ACS Nano, 2014, 8, 11730-11738.	7.3	352
33	Tunable Transport Gap in Phosphorene. Nano Letters, 2014, 14, 5733-5739.	4.5	657
34	Imaging of large-area microchannel plates using phosphor screens. Journal of Instrumentation, 2014, 9, P11011-P11011.	0.5	3
35	R&D paths of pixel detectors for vertex tracking and radiation imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 716, 29-45.	0.7	10
36	Real time evolution of antimony deposition for high performance alkali photocathode development. Proceedings of SPIE, 2013, , .	0.8	1

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37	Search for Doubly Charged Higgs Boson Pair Production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">. Physical Review D, 2012, 85, .	2.9	27
38	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>-violating phase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi>Ï•</mml:mi><mml:mi>s</mml:mi><mml:mrow><mml:mi>J</mml:mi><mml:mo>/</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>â€‰ the flavor-tagged decay<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup>. Physical Review D, 2012, 85, .	1.6	75
39	Model independent search for new phenomena inppÂ¯collisions ats=1.96â€‰â€‰TeV. Physical Review D, 2012, 85, .	1.6	7
40	Development of an Alkali Transfer Photocathode for Large Area Microchannel Plate-Based Photodetectors. Physics Procedia, 2012, 37, 733-739.	1.2	3
41	Revealing the Correlations between Growth Recipe and Microscopic Structure of Bi-alkali/Multi-alkali Photocathodes. Physics Procedia, 2012, 37, 765-772.	1.2	0
42	Optimization of Transmission Mode Metallic (Aluminum) Photocathodes. Physics Procedia, 2012, 37, 757-764.	1.2	4
43	Search for Higgs bosons decaying to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>Ï„</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>Ï„</mml:mi><mml:mi> pairs in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true">.	1.5	14
44	Measurements of single top quark production cross sections and |Vtb| inppÂ¯collisions ats=1.96â€‰â€‰TeV. Physical Review D, 2011, 84, .	1.6	31
45	Measurement of theWboson helicity in top quark decays using5.4â€‰â€‰fbâˆ’1ofppÂ¯collision data. Physical Review D, 2011, 83, .	1.6	35
46	Measurement ofsinï»¿2Î¸effâ„“andZ-light quark couplings using the forward-backward charge asymmetry inppÂ¯â†’Z/Î³*â†’e+eâˆ’events withL=5.0â€‰â€‰fbâˆ’1ats=1.96â€‰â€‰TeV. Physical Review D, 2011, 84, .	1.6	23
47	Precise measurement of the top-quark mass from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mtext mathvariant="normal">lepton</mml:mtext><mml:mo>+</mml:mo><mml:mtext mathvariant="normal">jets</mml:mtext></mml:math>events at D0. Physical Review D, 2011, 84, .	1.6	35
48	Publisherâ€™s Note: Search forCPviolation inBs0â†’Ï¼+Dsâˆ’Xdecays inppÂ¯collisions ats=1.96â€‰â€‰TeV[Phys. Rev. D82, 012003 (2010)]. Physical Review D, 2011, 83, .	1.6	1
49	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mi>Z</mml:mi></mml:math>production cross section in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">. Physical Review D, 2011, 84, .	1.6	13
50	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. Physical Review D, 2011, 84, .	1.6	16
51	Measurement of the anomalous like-sign dimuon charge asymmetry with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">. Physical Review D, 2011, 84, .	1.6	91
52	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, .	1.6	26
53	Beam tests of directly coupled scintillator tiles with MPPC readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 348-354.	0.7	9
54	Measurement of spin correlation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll">. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 16-23.	1.5	34

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55	Measurement of the <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co altimg="si1.gif" overflow="scroll"><mml:mover accent="true"><mml:mi mathvariant="normal">MS</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> masses of the top quark from the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	59
56	Measurements of inclusive <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co altimg="si1.gif" overflow="scroll"><mml:mi>W</mml:mi><mml:mo>+</mml:mo><mml:mtext>jets</mml:mtext></mml:math> production rates as a function of jet transverse momentum in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	48
57	Model-independent measurement of t-channel single top quark production in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	13
58	Prompt and non-prompt J/ψ production in pp collisions at $sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
59	Charged particle multiplicities in pp interactions at $ sqrt {s} = 0.9 $, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
60	Measurements of inclusive W and Z cross sections in pp collisions at $ sqrt {s} = 7 $ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
61	Search for heavy stable charged particles in pp collisions at $ sqrt {s} = 7;{ext{TeV}} $. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
62	Inclusive b-hadron production cross section with muons in pp collisions at $ sqrt {s} = 7;{ext{TeV}} $. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
63	Measurement of $ {ext{B}}overline {ext{B}} $ angular correlations based on secondary vertex reconstruction at $ sqrt {s} = 7,{ext{TeV}} $. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
64	Measurement of Bose-Einstein correlations in pp collisions at $ sqrt {s} = 0.9 $ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
65	Strange particle production in pp collisions at $ sqrt {s} = 0.9 $ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
66	The D0 Silicon Microstrip Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 8-46.	0.7	48
67	Measurement of theWZâ†'â„“Î½â„“â„“cross section and limits on anomalous triple gauge couplings inppÂ¯collisions ats=1.96TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	1.5	23
68	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fbâ»1 of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>	1.5	60
72	Search for pair production of the scalar top quark in the electron+muon final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 321-327.	1.5	18

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73	Search for WH associated production in 5.3 fbâˆ’1 of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.5	16
74	Search for neutral Higgs bosons in the multi-jet topology in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mn>5.2</mml:mn><mml:msup><mml:mtext>fb</mml:mtext><mml:mrow><mml:mo>âˆ’</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:math> of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover>	1.5	32
75	Search for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>W</mml:mi><mml:mo>â€²</mml:mo></mml:msup><mml:mo>â†’</mml:mo><mml:mi>t</mml:mi> resonances with left- and right-handed couplings to fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 145-150.	1.5	44
76	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	1.5	35
77	Bounds on an Anomalous Dijet Resonance inW+jetsProduction inppÂ¯Collisions ats=1.96â€‰â€‰TeV. Physical Review Letters, 2011, 107, 011804.	2.9	55
78	Search for the Standard Model Higgs Boson in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi><mml:mo>â†’</mml:mo><mml:mi>W</mml:mi><mml:mi>W</mml:mi><mml:mo>â†’</mml:mo> accent="true"><mml:mi>q</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>Decay Channel. Physical Review Letters, 2011, 106, 171802.	2.9	9
79	Quark in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mover accent="true">><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mi>	2.9	27
80	Measurement of the ratio of inclusive cross sectionsÏƒ(ppÂ¯â†’Z+bâˆ’quark jet)/Ïƒ(ppÂ¯â†’Z+jet)ats=1.96â€‰â€‰TeV. Physical Review D, 2011, 83, .	1.6	14
81	Measurement of the top quark pair production cross section in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mtext mathvariant="normal">lepton</mml:mtext><mml:mo>+</mml:mo><mml:mtext mathvariant="normal">jets</mml:mtext></mml:math>channel in proton-antiproton collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.6	48
82	Azimuthal decorrelations and multiple parton interactions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mi>Î³</mml:mi><mml:mo>+</mml:mo><mml:mn>2</mml:mn></mml:math>jet and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mi>Î³</mml:mi><mml:mo>+</mml:mo><mml:mn>3</mml:mn></mml:math>jet events in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mi>p</mml:mi>	1.6	22
83	Measurement of color flow inttÂ¯events fromppÂ¯collisions ats=1.96â€‰â€‰TeV. Physical Review D, 2011, 83, .	1.6	15
84	Search for associated Higgs boson production using like charge dilepton events inppÂ¯collisions ats=1.96â€‰â€‰TeV. Physical Review D, 2011, 84, .	1.6	13
85	Measurement of the production fraction times branching fraction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>b</mml:mi><mml:mo>â†’</mml:mo><mml:msub><mml:mi>Î›</mml:mi><mml:mi>b</mml:mi>		

#	Article	IF	Citations
91	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs Produced in Association withbQuarks inppÂ¯Collisions ats=1.96â€‰â€‰TeV. Physical Review Letters, 2011, 107, 121801.	2.9	12
92	Search for ResonantWWandWZProduction inppÂ¯Collisions ats=1.96â€‰â€‰TeV. Physical Review Letters, 2011, 107, 011801.	2.9	18
93	Precision Measurement of the RatioB(tâ†'Wb)/B(tâ†'Wq)and Extraction ofVtb. Physical Review Letters, 2011, 107, 121802.	2.9	41
94	Search for a Fermiophobic and Standard Model Higgs Boson in Diphoton Final States. Physical Review Letters, 2011, 107, 151801.	2.9	17
95	Search for Single Vector-like Quarks in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>â€‰	2.9	18
96	Anomalous<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>W</mml:mi><mml:mi>W</mml:mi><mml:mi>Î³</mml:mi></mml:math>Production and Limits on Couplings in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo>	2.9	33
97	Pixel detectors in 3D technologies for high energy physics. , 2010, , .		0
98	Architecture of a silicon strip beam position monitor. Journal of Instrumentation, 2010, 5, C12039-C12039.	0.5	0
99	First measurement of the underlying event activity atÂtheÂLHCÂwithÂ $sqrt{s} = 0.9$ ÂTeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
100	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
101	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $sqrt{s} = 0.9 $ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
102	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
103	3D design activities at Fermilabâ€"Opportunities for physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 375-377.	0.7	23
104	Tests of timing properties of silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 616, 38-44.	0.7	37
105	The layer 0 inner silicon detector of the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 298-310.	0.7	132
106	Measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Z</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:msup><mml:mi>Î³</mml:mi><mml:mo>âˆ—</mml:mo></mml:msup><mml:mo>+</mml:mo><mml:n mathvariant="normal">jet</mml:mi><mml:mo>+</mml:mo><mml:mi>X</mml:mi></mml:math> angular distributions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯<.	1.5	27
107	Measurement of the t-channel single top quark production cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 363-369.	1.5	39
108	Search for single top quarks in the tau + jets channel using 4.8 fbâˆ'1 of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 5-14.	1.5	11

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110	Search for flavor changing neutral currents via quarkâ€ gluon couplings in single top quark production using 2.3 fbâ»1 of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 81-87.	1.5	48
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112	Measurement of the dijet invariant mass cross section in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	33
113	Search for the rare decay <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mi>B</mml:mi><mml:mi>s</mml:mi><mml:mn>0</mml:mn></mml:msubsup><mml:mo>â† Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	1.5	67
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#	Article	IF	Citations
181	Combination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>t</mml:mi><mml:mover accent="true"><mml:mi>t</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. Physical Review D, 2009, 80, .	1.6	72
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184	Search for the tightest scalar top quark in events with two leptons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	16
185	Search for supersymmetry in photon final states at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext> TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	29
186	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fbâ¯1 of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collision data at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	103
187	A combined search for the standard model Higgs boson in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>	1.5	16
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189	Measurement of the differential cross section for the production of an isolated photon with associated jet in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mo>â†'</mml:mo><mml:mi>W</mml:mi><mml:mo> cross section to the inclusive <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.5	27
190	Measurement of the differential cross section for the production of an isolated photon with associated jet in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	27
191	Search for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>Â<</mml:mtext><mml:mi>t</mml:mi><mml:mover accent="true"><mml:mi>t</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> resonances in the lepton plus jets final state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>Â¯</mml:mo></mml:mover> collisions at	1.5	39
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194	Search for excited electrons inppÂ¯collisions ats=1.96â€‰â€‰TeV. Physical Review D, 2008, 77, .	1.6	19
195	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">Z</mml:mi><mml:mi>Z</mml:mi><mml:mo>â†'</mml:mo><mml:msup><mml:mi>l</mml:mi><mml:mo>+ production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">p</mml:mi><mml:mover accent="true">p</mml:mi><mml:mo>Â¯</mml:mo></. Physical Review D, 2008, 78, .	1.6	11
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200	Search for the Standard Model Higgs Boson in the Missing Energy and Acoplanar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi></mml:math>-Jet Topology at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96</mml:mn><mml:mtext>â€‰	2.9	2
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205	Parameters from the Flavor-Tagged Decay<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi>B</mml:mi><mml:mi>s</mml:mi><mml:mn>0</mml:mn></mml:msubsup><mml:mo>â†'<	2.9	173
206	Observation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>B</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Meson in the Exclusive Decay<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>B</mml:mi><mml:mi>c</mml:mi></mml:msub><mml:mo>â†'</mml:mo><mml:mi>J</mml:mi><m	2.9	83
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