

# Giacomo Martignon

## List of Publications by Year in descending order

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61  
papers

1,725  
citations

257357

24  
h-index

276775

41  
g-index

61  
all docs

61  
docs citations

61  
times ranked

4005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of $f_1^{\prime}$ and $f_2^{\prime}$ (2S) Polarization in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 2886-2891.	2.9	196
2	Transverse Momentum and Total Cross Section of $e^+e^-$ Pairs in the Z-Boson Region from $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 84, 845-850.	2.9	131
3	Diffraction Dijets with a Leading Antiproton in $p\bar{p}$ Collisions at $\sqrt{s}=1800\text{GeV}$ . Physical Review Letters, 2000, 84, 5043-5048.	2.9	119
4	Production of $f_1^{\prime}$ (1S) Mesons from $\bar{t}b$ Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 84, 2094-2099.	2.9	111
5	Measurement of $\sin^2 2\beta$ from $B \rightarrow J/\psi K_S$ with the CDF detector. Physical Review D, 2000, 61, .	1.6	105
6	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. Physical Review Letters, 1999, 82, 271-276.	2.9	75
7	Dijet Production by Double Pomeron Exchange at the Fermilab Tevatron. Physical Review Letters, 2000, 85, 4215-4220.	2.9	54
8	Measurement of the Helicity of W Bosons in Top Quark Decays. Physical Review Letters, 2000, 84, 216-221.	2.9	50
9	Search for the Flavor-Changing Neutral Current Decays $B \rightarrow \pi^+ \pi^- K^+$ and $B \rightarrow \pi^+ \pi^- K^0$ . Physical Review Letters, 1999, 83, 3378-3383.	2.9	43
10	Searches for new physics in diphoton events in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1999, 59, .	1.6	42
11	Observation of Diffractive b-Quark Production at the Fermilab Tevatron. Physical Review Letters, 2000, 84, 232-237.	2.9	42
12	Search for New Particles Decaying to $t\bar{t}$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 2062-2067.	2.9	38
13	Measurement of the CP-Violation Parameters $\sin(2\beta)$ in $B_d^0/B_d^{\pm} \rightarrow J/\psi K_S$ Decays. Physical Review Letters, 1998, 81, 5513-5518.	2.9	37
14	Search for the charged Higgs boson in the decays of top quark pairs in the $e^+e^-$ and $\mu^+\mu^-$ channels at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 2000, 62, .	1.6	37
15	Events with a Rapidity Gap between Jets in $p\bar{p}$ Collisions at $\sqrt{s}=630\text{GeV}$ . Physical Review Letters, 1998, 81, 5278-5283.	2.9	34
16	Search for R-Parity Violating Supersymmetry Using Like-Sign Dielectrons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1999, 83, 2133-2138.	2.9	30
17	Measurement of the Decay Amplitudes of $B \rightarrow \pi^+ K^0$ and $B_s \rightarrow \pi^+ \pi^0$ Decays. Physical Review Letters, 2000, 85, 4668-4673.	2.9	30
18	Search for Second and Third Generation Leptoquarks Including Production via Technicolor Interactions in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 2056-2061.	2.9	29

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19	Measurement of b-Quark Fragmentation Fractions in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 84, 1663-1668.	2.9	29
20	Measurement of the $B^0$ meson lifetime using semileptonic decays. Physical Review D, 1999, 59, .	1.6	28
21	Measurement of $Z^0$ and Drell-Yan production cross sections using dimuons in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1999, 59, .	1.6	26
22	New results on silicon microstrip detectors of CMS tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 142-150.	0.7	25
23	Search for New Particles Decaying to $b\bar{b}$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1999, 82, 2038-2043.	2.9	24
24	Measurement of $B^0 \rightarrow B^0$ flavor oscillations using jet-charge and lepton flavor tagging in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1999, 60, .	1.6	24
25	Search for a Fourth-Generation Quark More Massive than the $Z^0$ Boson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 84, 835-840.	2.9	24
26	Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1998, 81, 4806-4811.	2.9	22
27	Direct Measurement of the $W$ Boson Width in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 3347-3352.	2.9	22
28	Search for $B_s^0 \rightarrow B^0$ Oscillations Using the Semileptonic Decay $B_s^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ . Physical Review Letters, 1999, 82, 3576-3580.	2.9	21
29	Study of the heavy flavor content of jets produced in association with $W$ bosons in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 2002, 65, .	1.6	21
30	Measurement of the $B_d^0 \rightarrow B^0$ flavor oscillation frequency and study of same side flavor tagging of $B$ mesons in $p\bar{p}$ collisions. Physical Review D, 1998, 59, .	1.6	20
31	Limits on Light Gravitino Production and New Processes with Large Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 85, 1378-1383.	2.9	20
32	Measurement of the $B^+$ and $B^0$ meson lifetimes using semileptonic decays. Physical Review D, 1998, 58, .	1.6	19
33	Search for the Decays $B_s^0, B_d^0 \rightarrow e^+ \mu^- \mu^+$ and Pati-Salam Leptoquarks. Physical Review Letters, 1998, 81, 5742-5747.	2.9	18
34	Measurement of the $B_d^0 \rightarrow B^0$ oscillation frequency using dimuon data in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1999, 60, .	1.6	18
35	Search for Higgs Bosons Produced in Association with a Vector Boson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1998, 81, 5748-5753.	2.9	17
36	Measurement of the $B^0 \rightarrow B^0$ oscillation frequency using $g\bar{g} \rightarrow D^*+$ pairs and lepton flavor tags. Physical Review D, 1999, 60, .	1.6	17

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37	Search for a Technicolor $\rho$ Particle in Events with a Photon and $b$ -Quark Jet at Fermilab. Physical Review Letters, 1999, 83, 3124-3129.	2.9	15
38	Observation of orbitally excited $B$ mesons in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 64, .	1.6	15
39	Measurement of $b$ quark fragmentation fractions in the production of strange and light $B$ mesons in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1999, 60, .	1.6	13
40	Search for a $W\tilde{B}$ Boson via the Decay Mode $W\tilde{B}\rightarrow\tilde{t}\tilde{t}^*\tilde{t}\tilde{t}^*$ in 1.8 TeV $p\bar{p}$ Collisions. Physical Review Letters, 2000, 84, 5716-5721.	2.9	13
41	Kinematics of $t\bar{t}$ events at CDF. Physical Review D, 1999, 59, .	1.6	11
42	Silicon microstrip detectors on $6\mu^3$ technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 51-57.	0.7	11
43	The R&D program for silicon detectors in CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 109-117.	0.7	7
44	Measurement of the differential dijet mass cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2000, 61, .	1.6	7
45	Measurement of $b$ $\bar{b}$ rapidity correlations in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1999, 61, .	1.6	6
46	Performance of CMS silicon microstrip detectors with the APV6 readout chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 133-141.	0.7	6
47	The CDF intermediate silicon layers detector. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 307-310.	0.5	4
48	Optimization of the silicon sensors for the CMS tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 466, 300-307.	0.7	4
49	The CMS silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 538-543.	0.7	3
50	The intermediate silicon layers detector at CDFII: Design and progress. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 44-50.	0.7	3
51	The CMS silicon strip tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 102-108.	0.7	3
52	The CMS silicon microstrip detectors: research and development. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 426, 16-23.	0.7	2
53	Beam test results for single- and double-sided irradiated silicon detector prototypes of the CMS Central Detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 135-138.	0.7	1
54	Test beam results on irradiated silicon detectors for the CMS Silicon Strip Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 434, 313-336.	0.7	1

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55	The CMS silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 121-125.	0.7	1
56	CMS silicon tracker developments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 440-445.	0.7	1
57	The CMS silicon tracker at LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 105-111.	0.7	0
58	R&D for the CMS silicon tracker. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 322-328.	0.5	0
59	Test results of heavily irradiated Si detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 238-241.	0.7	0
60	The silicon microstrip tracker for CMS. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 315-321.	0.5	0
61	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