

# Cyrille De Saint-Jean

## List of Publications by Year in descending order

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106  
papers

2,485  
citations

218381

26  
h-index

214527

47  
g-index

116  
all docs

116  
docs citations

116  
times ranked

4828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	0.7	294
2	Search for neutral heavy leptons produced in Z decays. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 57-71.	1.5	259
3	Tuning and test of fragmentation models based on identified particles and precision event shape data. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 11-59.	1.5	172
4	Search for lepton flavour number violating $Z^0$ -decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 243-251.	1.5	78
5	Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608.	1.5	76
6	CIELO Collaboration Summary Results: International Evaluations of Neutron Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. Nuclear Data Sheets, 2018, 148, 189-213.	0.7	73
7	Energy dependence of the differences between the quark and gluon jet fragmentation. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 179-195.	1.5	60
8	Inclusive measurements of the production in hadronic $Z^0$ decays. Nuclear Physics B, 1995, 444, 3-26.	0.9	47
9	Minor actinides transmutation scenario studies with PWRs, FRs and moderated targets. Journal of Nuclear Materials, 2003, 320, 163-169.	1.3	44
10	High resolution measurement of neutron inelastic scattering cross-sections for $^{23}\text{Na}$ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 672, 82-93.	0.7	43
11	Measurement and interpretation of the W-pair cross-section in $e^+e^-$ interactions at 161 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 397, 158-170.	1.5	42
12	Search for new phenomena using single photon events at LEP1. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 577-586.	1.5	41
13	Production of charged particles, $K_S^0$ , $K^{\pm}$ , p and $\bar{\Lambda}$ in events and in the decay of b hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 347, 447-466.	1.5	38
14	Determination of $ V_{cb} $ from the semileptonic decay $B^0 \rightarrow D^{*-} e^+ \nu_e$ . Zeitschrift für Physik C-Particles and Fields, 1996, 71, 539-553.	1.5	34
15	Retroactive Generation of Covariance Matrix of Nuclear Model Parameters Using Marginalization Techniques. Nuclear Science and Engineering, 2010, 166, 276-287.	0.5	31
16	A measurement of the photon structure function $F_2^\gamma$ at an average $Q^2$ of 12 GeV $^2/c^4$ . Zeitschrift für Physik C-Particles and Fields, 1996, 69, 223-233.	1.5	30
17	$J/\psi$ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122.	1.5	28
18	Observation of short range three-particle correlations in $e^+e^-$ annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 415-424.	1.5	28

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19	Charged particle multiplicity in $e^+e^-$ interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 172-180.	1.5	28
20	Search for the $B_c$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.	1.5	28
21	A Monte Carlo Approach to Nuclear Model Parameter Uncertainties Propagation. Nuclear Science and Engineering, 2009, 161, 363-370.	0.5	27
22	Study of rare decays with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 207-220.	1.5	26
23	Search for exclusive decays of the $\Lambda_b$ baryon and measurement of its mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 351-361.	1.5	26
24	Calculation and verification of neutron irradiation damage with differential cross sections. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 120-132.	0.6	25
25	Measurement of inclusive $\pi^0$ production in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 561-573.	1.5	21
26	Kaon interference in the hadronic decays of the $Z^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 330-340.	1.5	21
27	Study of prompt photon production in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 1-13.	1.5	20
28	Covariance Matrix Evaluations for Independent Mass Fission Yields. Nuclear Data Sheets, 2015, 123, 225-230.	0.7	20
29	Measurement of inclusive $K^*(892)$ , $\phi(1020)$ and $K_2^{*0}(1430)$ production in hadronic $Z$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 61-72.	1.5	19
30	Search for stable heavy charged particles in $e^+e^-$ collisions at , 161 and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 396, 315-326.	1.5	19
31	Assessment and Propagation of the $^{237}\text{Np}$ Nuclear Data Uncertainties in Integral Calculations by Monte Carlo Techniques. Nuclear Science and Engineering, 2008, 160, 108-122.	0.5	19
32	Search for anomalous production of single photons at and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 471-479.	1.5	18
33	Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 480-490.	1.5	18
34	A precise measurement of the $B_{d^0}$ meson lifetime using a new technique. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 19-32.	1.5	18
35	A measurement of $\hat{\Gamma}_s$ from the scaling violation in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 194-206.	1.5	18
36	Evaluation of Cross Section Uncertainties Using Physical Constraints: Focus on Integral Experiments. Nuclear Data Sheets, 2015, 123, 178-184.	0.7	18

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37	A precise measurement of the tau lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 448-460.	1.5	16
38	Search for the lightest chargino at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 382, 323-336.	1.5	16
39	Calculation and analysis of gamma-induced irradiation damage cross section. Nuclear Instruments & Methods in Physics Research B, 2019, 447, 8-21.	0.6	15
40	Production of $\Sigma^0$ and $\Omega^-$ in Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 371-381.	1.5	14
41	Measurement of the partial decay width $R_b^0 = \Gamma_{\bar{b}}/\Gamma_{had}$ of the Z with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 531-547.	1.5	14
42	Search for neutralinos, scalar leptons and scalar quarks in $e+e^+$ interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 651-666.	1.5	14
43	On the use of Bayesian Monte-Carlo in evaluation of nuclear data. EPJ Web of Conferences, 2017, 146, 02007.	0.1	14
44	The JEFF evaluated nuclear data project. , 2007, , .		14
45	Measurement of time dependent mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 409-420.	1.5	13
46	Measurement of $\rho^{++}(1232)$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 207-220.	1.5	13
47	Average neutron parameters for hafnium. Nuclear Physics A, 2009, 831, 106-136.	0.6	13
48	First evidence of hard scattering processes in single tagged $\hat{p}\hat{p}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 402-416.	1.5	12
49	Average radiation widths of levels in natural xenon isotopes. Nuclear Physics A, 2011, 870-871, 131-158.	0.6	12
50	Evaluation of Neutron-induced Cross Sections and their Related Covariances with Physical Constraints. Nuclear Data Sheets, 2018, 148, 383-419.	0.7	12
51	Status of CONRAD, a nuclear reaction analysis tool. , 2007, , .		12
52	Generalization of the SPRT Method for the Modeling of the Neutron Cross Sections in the Unresolved Resonance Range. Nuclear Science and Engineering, 2009, 162, 76-86.	0.5	11
53	Fission yield covariance matrices for the main neutron-induced fissioning systems contained in the JEFF-3.1.1 library. Annals of Nuclear Energy, 2017, 109, 469-489.	0.9	11
54	A measurement of the $\bar{l}$ , leptonic branching fractions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 715-724.	1.5	10

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55	Search for excited leptons in $e^+e^-$ collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 245-260.	1.5	10
56	Upper limits on the branching ratios $\tilde{L}_i \rightarrow \nu_i \nu_j$ and $\tilde{L}_i \rightarrow e \nu_j$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 411-421.	1.5	9
57	Search for promptly produced heavy quarkonium states in hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 575-583.	1.5	9
58	Determination of the average lifetime of $\Lambda_b$ -baryons. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 199-210.	1.5	9
59	Updated precision measurement of the average lifetime of B hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 195-204.	1.5	9
60	Covariance matrices of the hydrogen neutron cross sections bound in light water for the JEFF-3.1.1 neutron library. Annals of Nuclear Energy, 2017, 104, 132-145.	0.9	9
61	CONRAD – a code for nuclear data modeling and evaluation. EPJ Nuclear Sciences & Technologies, 2021, 7, 10.	0.3	9
62	Search for exclusive charmless B meson decays with the DELPHI detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 255-266.	1.5	7
63	Generation of $^{238}\text{U}$ Covariance Matrices by Using the Integral Data Assimilation Technique of the CONRAD Code. EPJ Web of Conferences, 2016, 106, 04015.	0.1	7
64	Uncertainty Evaluation of Nuclear Reaction Model Parameters using Integral and Microscopic Measurements with the CONRAD Code. Journal of the Korean Physical Society, 2011, 59, 1276-1279.	0.3	7
65	Multi-group covariance matrices for the resolved resonance range of the hafnium isotopes. , 2007, , .		7
66	First measurement of $f_2(1525)$ production in Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 309-318.	1.5	6
67	Search for pair production of heavy objects in 4-jet events at $\sqrt{s}=130-136$ GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 1-9.	1.5	5
68	The Use of Nuclear Data as Nuisance Parameters in the Integral Data Assimilation of the PROFIL Experiments. Nuclear Science and Engineering, 2016, 182, 377-393.	0.5	5
69	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Uranium and Plutonium. EPJ Web of Conferences, 2017, 146, 02001.	0.1	5
70	Doppler broadening of neutron-induced resonances using ab initio phonon spectrum. European Physical Journal Plus, 2018, 133, 1.	1.2	5
71	Covariance Matrices for Differential and Angle-Integrated Neutron-Induced Elastic and Inelastic Scattering Cross Sections of $^{56}\text{Fe}$ . EPJ Web of Conferences, 2019, 211, 07002.	0.1	5
72	Measurements of the effective cumulative fission yields of $^{143}\text{Nd}$ , $^{145}\text{Nd}$ , $^{146}\text{Nd}$ , $^{148}\text{Nd}$ and $^{150}\text{Nd}$ for $^{235}\text{U}$ in the PHENIX fast reactor. EPJ Nuclear Sciences & Technologies, 2016, 2, 32.	0.3	4

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73	Fission Product Cross Section Evaluations using Integral Experiments. Journal of the Korean Physical Society, 2011, 59, 1343-1346.	0.3	4
74	<sup>23</sup> Na Evaluation with CONRAD for Fast Reactor Applications. Journal of the Korean Physical Society, 2011, 59, 915-918.	0.3	4
75	Identified particles in quark and gluon jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 118-130.	1.5	3
76	Uncertainty evaluation of nuclear reaction model parameters using integral and microscopic measurements. Covariances evaluation with CONRAD code. EPJ Web of Conferences, 2010, 8, 04002.	0.1	3
77	Recent Developments in the CONRAD Code regarding Experimental Corrections. EPJ Web of Conferences, 2013, 42, 02004.	0.1	3
78	From low- to high-energy nuclear data evaluations. European Physical Journal A, 2015, 51, 1.	1.0	3
79	On the use of the generalized SPRT method in the equivalent hard sphere approximation for nuclear data evaluation. EPJ Web of Conferences, 2017, 146, 02036.	0.1	3
80	Measurement of the $B^0_d$ oscillation frequency using kaons, leptons and jet charge. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 17-30.	1.5	3
81	Relativistic effect on atomic displacement damage for two-body inducing discrete reactions. EPJ Web of Conferences, 2020, 239, 08004.	0.1	3
82	Working Party on International Nuclear Data Evaluation Cooperation (WPEC). Nuclear Data Sheets, 2014, 120, 264-267.	0.7	2
83	Feedback on <sup>239</sup> Pu and <sup>240</sup> Pu nuclear data and associated covariances through the CERES integral experiments. Journal of Nuclear Science and Technology, 2015, 52, 1044-1052.	0.7	2
84	Estimation of Covariances on Prompt Fission Neutron Spectra and Impact of the PFNS Model on the Vessel Fluence. EPJ Web of Conferences, 2016, 106, 04012.	0.1	2
85	A Covariance Generation Methodology for Fission Product Yields. EPJ Web of Conferences, 2016, 111, 09003.	0.1	2
86	Mean lifetime of the $B_s^0$ meson. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 11-30.	1.5	2
87	Statistical Analysis of a Set of Actinide Resolved Resonance Parameters with CONRAD Code. Journal of the Korean Physical Society, 2011, 59, 1900-1903.	0.3	2
88	Towards Consistent Nuclear Models and Comprehensive Nuclear Data Evaluations. Journal of the Korean Physical Society, 2011, 59, 833-838.	0.3	2
89	Trends on major actinides from an integral data assimilation. EPJ Web of Conferences, 2020, 239, 13002.	0.1	2
90	An upper limit for $Br(Z^0 \rightarrow ggg)$ from symmetric 3-jet $Z^0$ hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 405-415.	1.5	1

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91	Scenario with inert matrix fuel: a specific study. Progress in Nuclear Energy, 2001, 38, 419-422.	1.3	1
92	Improved MOX fuel calculations using new Pu-239, Am-241 and Pu-240 evaluations. EPJ Web of Conferences, 2013, 42, 05005.	0.1	1
93	Covariance generation and uncertainty propagation for thermal and fast neutron induced fission yields. EPJ Web of Conferences, 2017, 146, 02013.	0.1	1
94	Improved model for atomic displacement calculation. EPJ Web of Conferences, 2020, 239, 08003.	0.1	1
95	Two examples of recent advances in sensitivity calculations. EPJ Nuclear Sciences & Technologies, 2021, 7, 13.	0.3	1
96	Generalization of the SPRT method: application to $^{242}\text{Pu}$ cross sections in the Unresolved Resonance Range. , 2007, , .		1
97	Covariances for $^{239}\text{Pu}$ Induced Cross Section in the Resonance Range using the CONRAD Code. Journal of the Korean Physical Society, 2011, 59, 1280-1283.	0.3	1
98	Resonance shape analysis of neutron capture measurements from xenon spherical samples. , 2007, , .		1
99	PROFIL-2 Experiment and neutron capture cross sections of Europium isotopes. EPJ Web of Conferences, 2020, 239, 01032.	0.1	1
100	Study on Prompt Fission Neutron Spectra and Associated Covariances for $^{235}\text{U}(\text{nth},\text{f})$ and $^{239}\text{Pu}(\text{nth},\text{f})$ . Physics Procedia, 2015, 64, 55-61.	1.2	0
101	On the use of the BMC to resolve Bayesian inference with nuisance parameters. EPJ Nuclear Sciences & Technologies, 2018, 4, 36.	0.3	0
102	Preface by the CW2017 organizers including program, advisory board and photo. EPJ Nuclear Sciences & Technologies, 2018, 4, E1.	0.3	0
103	Nuclear data assimilation, scientific basis and current status. EPJ Nuclear Sciences & Technologies, 2021, 7, 9.	0.3	0
104	A journey into Massimo Salvatores scientific work. EPJ Nuclear Sciences & Technologies, 2021, 7, E1.	0.3	0
105	On the feasibility to perform integral transmission experiments in the GELINA target hall at IRMM. EPJ Web of Conferences, 2017, 153, 01023.	0.1	0
106	New $^{23}\text{Na}$ evaluation in the resolved resonance range taking into account both differential and double differential experiments. EPJ Web of Conferences, 2020, 239, 11006.	0.1	0