

Cyrille De Saint-Jean

List of Publications by Year in descending order

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106
papers

2,485
citations

218381

26
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214527

47
g-index

116
all docs

116
docs citations

116
times ranked

4828
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear data assimilation, scientific basis and current status. EPJ Nuclear Sciences & Technologies, 2021, 7, 9.	0.3	0
2	CONRAD – a code for nuclear data modeling and evaluation. EPJ Nuclear Sciences & Technologies, 2021, 7, 10.	0.3	9
3	Two examples of recent advances in sensitivity calculations. EPJ Nuclear Sciences & Technologies, 2021, 7, 13.	0.3	1
4	A journey into Massimo Salvatores scientific work. EPJ Nuclear Sciences & Technologies, 2021, 7, E1.	0.3	0
5	Improved model for atomic displacement calculation. EPJ Web of Conferences, 2020, 239, 08003.	0.1	1
6	PROFIL-2 Experiment and neutron capture cross sections of Europium isotopes. EPJ Web of Conferences, 2020, 239, 01032.	0.1	1
7	Trends on major actinides from an integral data assimilation. EPJ Web of Conferences, 2020, 239, 13002.	0.1	2
8	Relativistic effect on atomic displacement damage for two-body inducing discrete reactions. EPJ Web of Conferences, 2020, 239, 08004.	0.1	3
9	New ²³ 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
10	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
11	Covariance Matrices for Differential and Angle-Integrated Neutron-Induced Elastic and Inelastic Scattering Cross Sections of ⁵⁶ Fe. EPJ Web of Conferences, 2019, 211, 07002.	0.1	5
12	Calculation and analysis of gamma-induced irradiation damage cross section. Nuclear Instruments & Methods in Physics Research B, 2019, 447, 8-21.	0.6	15
13	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
14	Evaluation of Neutron-induced Cross Sections and their Related Covariances with Physical Constraints. Nuclear Data Sheets, 2018, 148, 383-419.	0.7	12
15	On the use of the BMC to resolve Bayesian inference with nuisance parameters. EPJ Nuclear Sciences & Technologies, 2018, 4, 36.	0.3	0
16	Preface by the CW2017 organizers including program, advisory board and photo. EPJ Nuclear Sciences & Technologies, 2018, 4, E1.	0.3	0
17	Doppler broadening of neutron-induced resonances using ab initio phonon spectrum. European Physical Journal Plus, 2018, 133, 1.	1.2	5
18	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

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19	The CIELO collaboration: Progress in international evaluations of neutron reactions on Oxygen, Iron, Uranium and Plutonium. EPJ Web of Conferences, 2017, 146, 02001.	0.1	5
20	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
21	On the use of Bayesian Monte-Carlo in evaluation of nuclear data. EPJ Web of Conferences, 2017, 146, 02007.	0.1	14
22	Covariance generation and uncertainty propagation for thermal and fast neutron induced fission yields. EPJ Web of Conferences, 2017, 146, 02013.	0.1	1
23	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
24	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
25	Generation of ²³⁸ U Covariance Matrices by Using the Integral Data Assimilation Technique of the CONRAD Code. EPJ Web of Conferences, 2016, 106, 04015.	0.1	7
26	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
27	A Covariance Generation Methodology for Fission Product Yields. EPJ Web of Conferences, 2016, 111, 09003.	0.1	2
28	Measurements of the effective cumulative fission yields of ¹⁴³ Nd, ¹⁴⁵ Nd, ¹⁴⁶ Nd, ¹⁴⁸ Nd and ¹⁵⁰ Nd for ²³⁵ U in the PHENIX fast reactor. EPJ Nuclear Sciences & Technologies, 2016, 2, 32.	0.3	4
29	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
30	From low- to high-energy nuclear data evaluations. European Physical Journal A, 2015, 51, 1.	1.0	3
31	Study on Prompt Fission Neutron Spectra and Associated Covariances for ²³⁵ U(nth,f) and ²³⁹ Pu(nth,f). Physics Procedia, 2015, 64, 55-61.	1.2	0
32	Evaluation of Cross Section Uncertainties Using Physical Constraints: Focus on Integral Experiments. Nuclear Data Sheets, 2015, 123, 178-184.	0.7	18
33	Covariance Matrix Evaluations for Independent Mass Fission Yields. Nuclear Data Sheets, 2015, 123, 225-230.	0.7	20
34	Feedback on ²³⁹ Pu and ²⁴⁰ Pu nuclear data and associated covariances through the CERES integral experiments. Journal of Nuclear Science and Technology, 2015, 52, 1044-1052.	0.7	2
35	Working Party on International Nuclear Data Evaluation Cooperation (WPEC). Nuclear Data Sheets, 2014, 120, 264-267.	0.7	2
36	Improved MOX fuel calculations using new Pu-239, Am-241 and Pu-240 evaluations. EPJ Web of Conferences, 2013, 42, 05005.	0.1	1

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37	Recent Developments in the CONRAD Code regarding Experimental Corrections. EPJ Web of Conferences, 2013, 42, 02004.	0.1	3
38	High resolution measurement of neutron inelastic scattering cross-sections for ^{23}Na . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 672, 82-93.	0.7	43
39	Average radiation widths of levels in natural xenon isotopes. Nuclear Physics A, 2011, 870-871, 131-158.	0.6	12
40	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
41	Covariances for ^{239}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
42	Fission Product Cross Section Evaluations using Integral Experiments. Journal of the Korean Physical Society, 2011, 59, 1343-1346.	0.3	4
43	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
44	Towards Consistent Nuclear Models and Comprehensive Nuclear Data Evaluations. Journal of the Korean Physical Society, 2011, 59, 833-838.	0.3	2
45	^{23}Na Evaluation with CONRAD for Fast Reactor Applications. Journal of the Korean Physical Society, 2011, 59, 915-918.	0.3	4
46	Retroactive Generation of Covariance Matrix of Nuclear Model Parameters Using Marginalization Techniques. Nuclear Science and Engineering, 2010, 166, 276-287.	0.5	31
47	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
48	Average neutron parameters for hafnium. Nuclear Physics A, 2009, 831, 106-136.	0.6	13
49	A Monte Carlo Approach to Nuclear Model Parameter Uncertainties Propagation. Nuclear Science and Engineering, 2009, 161, 363-370.	0.5	27
50	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
51	Assessment and Propagation of the ^{237}Np Nuclear Data Uncertainties in Integral Calculations by Monte Carlo Techniques. Nuclear Science and Engineering, 2008, 160, 108-122.	0.5	19
52	The JEFF evaluated nuclear data project. , 2007, , .		14
53	Status of CONRAD, a nuclear reaction analysis tool. , 2007, , .		12
54	Generalization of the SPRT method: application to ^{242}Pu cross sections in the Unresolved Resonance Range. , 2007, , .		1

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55	Resonance shape analysis of neutron capture measurements from xenon spherical samples. , 2007, , .		1
56	Multi-group covariance matrices for the resolved resonance range of the hafnium isotopes. , 2007, , .		7
57	Minor actinides transmutation scenario studies with PWRs, FRs and moderated targets. Journal of Nuclear Materials, 2003, 320, 163-169.	1.3	44
58	Scenario with inert matrix fuel: a specific study. Progress in Nuclear Energy, 2001, 38, 419-422.	1.3	1
59	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
60	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
61	A precise measurement of the $\{mbox{B}^{\{0\}}_{\{d\}}\}$ meson lifetime using a new technique. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 19-32.	1.5	18
62	Search for neutral heavy leptons produced in Z decays. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 57-71.	1.5	259
63	Search for new phenomena using single photon events at LEP1. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 577-586.	1.5	41
64	Search for lepton flavour number violating Z^0 -decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 243-251.	1.5	78
65	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
66	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
67	Search for the B_c meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.	1.5	28
68	A measurement of $\hat{\Gamma}_{\pm}$ 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
69	A measurement of the photon structure function F_2^{γ} 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
70	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
71	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
72	Measurement of inclusive $K^{\{0\}}$ (892), ϕ (1020) and K^*_2 (1430) production in hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 61-72.	1.5	19

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73	Measurement of inclusive π^0 production in hadronic Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 561-573.	1.5	21
74	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
75	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
76	Production of Σ^0 and Ω^- in Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 371-381.	1.5	14
77	Measurement of the partial decay width $R_b^0 = \Gamma_{\bar{b}}/\Gamma_{\text{had}}$ of the Z with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 531-547.	1.5	14
78	Determination of the average lifetime of b baryons. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 199-210.	1.5	9
79	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
80	Study of rare decays with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 207-220.	1.5	26
81	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
82	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
83	Search for exclusive decays of the Λ_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
84	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
85	First measurement of $f_2(1525)$ production in Z^0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 309-318.	1.5	6
86	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
87	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
88	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
89	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
90	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

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91	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
92	An upper limit for $\text{Br}(Z^0 \rightarrow ggg)$ 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
93	Mean lifetime of the B_s^0 meson. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 11-30.	1.5	2
94	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
95	Study of prompt photon production in hadronic Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 1-13.	1.5	20
96	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
97	Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608.	1.5	76
98	Production of charged particles, K_S^0 , K^{\pm} , p and \bar{p} 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
99	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
100	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
101	A measurement of the \bar{B}_d leptonic branching fractions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 715-724.	1.5	10
102	Upper limits on the branching ratios $\bar{B}_d \rightarrow \hat{p}\hat{p}$ and $\bar{B}_d \rightarrow e\hat{p}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 411-421.	1.5	9
103	Measurement of $\hat{p}^{++}(1232)$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 207-220.	1.5	13
104	Inclusive measurements of the production in hadronic Z^0 decays. Nuclear Physics B, 1995, 444, 3-26.	0.9	47
105	J/ψ 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
106	Measurement of time dependent mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 409-420.	1.5	13