

Federico Sanchez

List of Publications by Year in descending order

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Version: 2024-02-01

268
papers

12,605
citations

44444

50
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33145

104
g-index

270
all docs

270
docs citations

270
times ranked

8695
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel range telescope concept for proton CT. Physics in Medicine and Biology, 2022, 67, 035013.	1.6	5
2	A 4€ time-of-flight detector for the ND280/T2K upgrade. Journal of Instrumentation, 2022, 17, P01016.	0.5	7
3	Benchmarking intranuclear cascade models for neutrino scattering with relativistic optical potentials. Physical Review C, 2022, 105, .	1.1	9
4	Data-driven detector signal characterization with constrained bottleneck autoencoders. Journal of Instrumentation, 2022, 17, P06016.	0.5	0
5	T2K measurements of muon neutrino and antineutrino disappearance using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3.13 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Å} - \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{ protons on target. Physical Review D, 2021, 103, .$	1.6	11
6	Graph neural network for 3D classification of ambiguities and optical crosstalk in scintillator-based neutrino detectors. Physical Review D, 2021, 103, .	1.6	6
7	Measurements of $\langle i \rangle \hat{1}/2 \dots \langle i \rangle \langle i \rangle \hat{1}/4 \langle i \rangle$ and $\langle i \rangle \hat{1}/2 \dots \langle i \rangle \langle i \rangle \hat{1}/4 \langle i \rangle + \langle i \rangle \hat{1}/2 \langle i \rangle \langle i \rangle \hat{1}/4 \langle i \rangle$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	6
8	Study of scintillation light collection, production and propagation in a 4 tonne dual-phase LArTPC. Journal of Instrumentation, 2021, 16, P03007.	0.5	6
9	Inclusive and exclusive neutrino-nucleus cross sections and the reconstruction of the interaction kinematics. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
10	First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \langle \text{mml:mi} \rangle \text{€} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:math} \rangle$ production channel containing at least one proton. Physical Review D, 2021, 103, .	1.6	7
11	Improved constraints on neutrino mixing from the T2K experiment with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3.13 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Å} - \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle$ on target. Physical Review D, 2021, 103, .	1.6	64
12	Supernova Model Discrimination with Hyper-Kamiokande. Astrophysical Journal, 2021, 916, 15.	1.6	37
13	Performance study of a 3Å–1Å–1 m3 dual phase liquid Argon Time Projection Chamber exposed to cosmic rays. Journal of Instrumentation, 2021, 16, P08063.	0.5	5
14	Performances of a resistive Micromegas module for the Time Projection Chambers of the T2K Near Detector upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163286.	0.7	20
15	Exclusive-final-state hadron observables from neutrino-nucleus multinucleon knockout. Physical Review C, 2020, 102, .	1.1	13
16	The SuperFGD Prototype charged particle beam tests. Journal of Instrumentation, 2020, 15, P12003-P12003.	0.5	24
17	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
18	First measurement of the charged current $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mover accent="true"} \langle \text{mml:mi} \rangle \hat{1}/2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \hat{\text{A}} - \langle \text{mml:mo} \rangle \langle \text{mml:mover} \langle \text{mml:mi} \rangle \hat{1}/4 \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:math} \rangle$ double differential cross section on a water target without pions in the final state. Physical Review D, 2020, 102, .	1.6	7

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19	Exhaustive neural importance sampling applied to Monte Carlo event generation. Physical Review D, 2020, 102, .	1.6	7
20	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802.	2.9	13
21	Likelihood-free inference of experimental neutrino oscillations using neural spline flows. Physical Review D, 2020, 101, .	1.6	1
22	Simultaneous measurement of the muon neutrino charged-current cross section on oxygen and carbon without pions in the final state at T2K. Physical Review D, 2020, 101, .	1.6	24
23	Measurement of the muon neutrino charged-current single $\bar{\nu}_e$ production on hydrocarbon using the T2K off-axis near detector ND280. Physical Review D, 2020, 101, .	1.6	9
24	Constraint on the matter-antimatter symmetry-violating phase in neutrino oscillations. Nature, 2020, 580, 339-344.	13.7	313
25	Search for neutral-current induced single photon production at the ND280 near detector in T2K. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 08LT01.	1.4	10
26	Measurement of the muon neutrino charged-current cross sections on water, hydrocarbon and iron, and their ratios, with the T2K on-axis detectors. Progress of Theoretical and Experimental Physics, 2019, 2019, .	1.8	8
27	Search for heavy neutrinos with the T2K near detector ND280. Physical Review D, 2019, 100, .	1.6	46
28	Search for light sterile neutrinos with the T2K far detector Super-Kamiokande at a baseline of 295 km. Physical Review D, 2019, 99, .	1.6	22
29	Measurement of neutrino and antineutrino neutral-current quasielasticlike interactions on oxygen by detecting nuclear deexcitation $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{1}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ rays. Physical Review D, 2019, 100, .	1.6	15
30	Baby MIND Readout Electronics Architecture for Accelerator Neutrino Particle Physics Detectors Employing Silicon Photomultipliers. , 2019, , .		3
31	Measurement of the single $\bar{\nu}_e$ production rate in neutral current neutrino interactions on water. Physical Review D, 2018, 97, .	1.6	4
32	NuSTEC White Paper: Status and challenges of neutrino nucleus scattering. Progress in Particle and Nuclear Physics, 2018, 100, 1-68.	5.6	206
33	Cryogenic R5912-20Mod photomultiplier tube characterization for the ProtoDUNE dual phase detector. Journal of Instrumentation, 2018, 13, T10006-T10006.	0.5	16
34	A 4 tonne demonstrator for large-scale dual-phase liquid argon time projection chambers. Journal of Instrumentation, 2018, 13, P11003-P11003.	0.5	26
35	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mn} \rangle 2.2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{1} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle 21 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Protons on Target. Physical Review Letters, 2018, 121, 171802.	2.9	165
36	Measurement of inclusive double-differential $\hat{1} \hat{1} / 4$ charged-current cross section with improved acceptance in the T2K off-axis near detector. Physical Review D, 2018, 98, .	1.6	23

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37	Characterization of nuclear effects in muon-neutrino scattering on hydrocarbon with a measurement of final-state kinematics and correlations in charged-current pionless interactions at T2K. Physical Review D, 2018, 98, .	1.6	66
38	Search for Lorentz and CPT violation using sidereal time dependence of neutrino flavor transitions over a short baseline. Physical Review D, 2017, 95, .	1.6	19
39	First measurement of the muon neutrino charged current single pion production cross section on water with the T2K near detector. Physical Review D, 2017, 95, .	1.6	33
40	Updated T2K measurements of muon neutrino and antineutrino disappearance using $\theta_{13} > 1.5^\circ$ protons on target. Physical Review D, 2017, 96, .	1.6	23
41	Combined Analysis of Neutrino and Antineutrino Oscillations at T2K. Physical Review Letters, 2017, 118, 151801.	2.9	146
42	Measurement of neutrino and antineutrino oscillations by the T2K experiment including a new additional sample of $\nu_e \nu_e$ interactions at the far detector. Physical Review D, 2017, 96, .	1.6	95
43	Measurement of θ_{12} and θ_{13} charged current inclusive cross sections and their ratio with the T2K off-axis near detector. Physical Review D, 2017, 96, .	1.6	9
44	2p2h Excitations, MEC, Nucleon Correlations and Other Sources of QE-like Events. , 2016, , .		1
45	Neutrino-nucleus CCQE-like scattering. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1830-1835.	0.2	6
46	Upper bound on neutrino mass based on T2K neutrino timing measurements. Physical Review D, 2016, 93, .	1.6	2
47	Measurement of the muon neutrino inclusive charged-current cross section in the energy range of $1 \leq E < 3$ GeV with the T2K INGRID detector. Physical Review D, 2016, 93, .	1.6	14
48	Testing charged current quasi-elastic and multinucleon interaction models in the NEUT neutrino interaction generator with published datasets from the MiniBooNE and MINERvA experiments. Physical Review D, 2016, 93, .	1.6	32
49	Measurement of Muon Antineutrino Oscillations with an Accelerator-Produced Off-Axis Beam. Physical Review Letters, 2016, 116, 181801.	2.9	31
50	Possibility of measuring Adler angles in charged current single pion neutrino-nucleus interactions. Physical Review D, 2016, 93, .	1.6	6
51	Measurement of double-differential muon neutrino charged-current interactions on C ₈ H ₈ without pions in the final state using the T2K off-axis beam. Physical Review D, 2016, 93, .	1.6	77
52	Measurement of Coherent ν_e Production in Low Energy Neutrino-Carbon Scattering. Physical Review Letters, 2016, 117, 192501.	2.9	24
53	Neutrino oscillation physics potential of the T2K experiment. Progress of Theoretical and Experimental Physics, 2015, 2015, .	1.8	32
54	Measurements of neutrino oscillation in appearance and disappearance channels by the T2K experiment with $\theta_{13} > 6.6^\circ$ on target. Physical Review D, 2015, 91, .	1.6	205

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55	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \hat{1}^{1/2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \hat{1}^{1/4} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{charged current quasielastic cross section on carbon with the T2K on-axis neutrino beam. Physical Review D, 2015, 91, .$	1.6	36
56	Measurement of the electron neutrino charged-current interaction rate on water with the T2K ND280 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \langle \text{mml:mi} \hat{1} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{detector. Physical Review D, 2015, 91, .$	1.6	10
57	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{1}^{1/2} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \hat{1}^{1/4} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{quasielastic cross section on carbon with the ND280 detector at T2K. Physical Review D, 2015, 92, .$		
58	Development and characterization of a multi-APD xenon electroluminescence TPC. Journal of Instrumentation, 2015, 10, P03008-P03008.	0.5	5
59	Neutrino cross-sections: Experiments. AIP Conference Proceedings, 2015, , .	0.3	0
60	CCQE, 2p2h excitations and $\hat{1}^{1/2} \hat{2} \hat{3}$ energy reconstruction. AIP Conference Proceedings, 2015, , .	0.3	0
61	A noble gas detector with electroluminescence readout based on an array of APDs. Journal of Instrumentation, 2015, 10, C12016-C12016.	0.5	1
62	Search for short baseline $\hat{1}^{1/2}$ disappearance with the T2K near detector. Physical Review D, 2015, 91, .	1.6	14
63	Measurement of the Inclusive Electron Neutrino Charged Current Cross Section on Carbon with the T2K Near Detector. Physical Review Letters, 2014, 113, 241803.	2.9	44
64	Measurement of the intrinsic electron neutrino component in the T2K neutrino beam with the ND280 detector. Physical Review D, 2014, 89, .	1.6	26
65	Measurement of the neutrino-oxygen neutral-current interaction cross section by observing nuclear deexcitation $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{1}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{rays. Physical Review D, 2014, 90, .$	1.6	20
66	Observation of Electron Neutrino Appearance in a Muon Neutrino Beam. Physical Review Letters, 2014, 112, 061802.	2.9	369
67	Measurement of the inclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \hat{1}^{1/2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \hat{1}^{1/4} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{charged current cross section on iron and hydrocarbon in the T2K on-axis neutrino beam. Physical Review D, 2014, 90, .$	1.6	38
68	Precise Measurement of the Neutrino Mixing Parameter $\hat{1}^{23}$ from Muon Neutrino Disappearance in an Off-Axis Beam. Physical Review Letters, 2014, 112, 181801.	2.9	168
69	T2K neutrino flux prediction. Physical Review D, 2013, 87, .	1.6	165
70	Measurement of the inclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \hat{1}^{1/2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \hat{1}^{1/4} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{charged current cross section on carbon in the near detector of the T2K experiment. Physical Review D, 2013, 87, .$	1.6	94
71	Measurement of Neutrino Oscillation Parameters from Muon Neutrino Disappearance with an Off-Axis Beam. Physical Review Letters, 2013, 111, 211803.	2.9	79
72	Evidence of electron neutrino appearance in a muon neutrino beam. Physical Review D, 2013, 88, .	1.6	116

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91	Secondary scintillation yield in high-pressure xenon gas for neutrinoless double beta decay $\langle \sigma \rangle \approx \langle \sigma \rangle_{\text{free}} \left(\frac{Z}{Z_0} \right)^{1/2} \left(\frac{E}{E_0} \right)^2$	1.5	22
92	Measurement of inclusive neutral current production on carbon in a few-GeV neutrino beam. Physical Review D, 2010, 81, .	1.6	33
93	Improved measurement of neutral current coherent production on carbon in a few-GeV neutrino beam. Physical Review D, 2010, 81, .	1.6	33
94	The back-end electronics of the time projection chambers in the T2K experiment. , 2010, , .		1
95	Production of the charmonium states χ_{c1} and χ_{c2} in proton nucleus interactions at low energies. Physical Review D, 2009, 79, .	1.6	21
96	Measurements of the ν_{μ} -CCQE cross section in the SciBooNE experiment. AIP Conference Proceedings, 2009, , .	0.3	26
97	Preliminary Results for CCQE Scattering with the MINOS Near Detector. , 2009, , .		22
98	Comparison of Models of Neutrino-Nucleus Interactions. AIP Conference Proceedings, 2009, , .	0.3	31
99	First Measurement of Muon Neutrino Charged Current Quasielastic (CCQE) Double Differential Cross Section. AIP Conference Proceedings, 2009, , .	0.3	17
100	Neutrino induced weak pion production off the nucleon and coherent pion production in nuclei at low energies. , 2009, , .		1
101	Measurement of Charged Current, Charged Pion Production Cross Sections at MiniBooNE. , 2009, , .		2
102	Search for neutrino charged current coherent pion production at SciBooNE. , 2009, , .		6
103	Search for Antineutrino Charged Current Coherent Pion Production at SciBooNE. , 2009, , .		3
104	Neutrinos and duality. AIP Conference Proceedings, 2009, , .	0.3	6
105	The Path Forward: Neutrino-Induced Coherent Pion Production Discussion. , 2009, , .		2
106	Final State Interaction Models in Neutrino-Nucleus Cross Sections. AIP Conference Proceedings, 2009, , .	0.3	7
107	MicroBooNE: A New Liquid Argon Time Projection Chamber Experiment. AIP Conference Proceedings, 2009, , .	0.3	24
108	Large bulk Micromegas detectors for TPC applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 415-420.	0.7	23

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109	NEXT: double beta decay experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 71-73.	0.5	3
110	Angular distributions of leptons from J/ψ 's produced in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 517-524.	1.4	32
111	Kinematic distributions and nuclear effects of J/ψ production in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 525-542.	1.4	64
112	$\psi(0)$ production in p+A collisions at $\sqrt{s}=41.6$ GeV. European Physical Journal C, 2009, 61, 207-221.	1.4	3
113	International Scoping Study (ISS) for a future neutrino factory and Super-Beam facility. Detectors and flux instrumentation for future neutrino facilities. Journal of Instrumentation, 2009, 4, T05001-T05001.	0.5	36
114	Experimental study of the atmospheric neutrino backgrounds for τ searches in water Cherenkov detectors. Physical Review D, 2008, 77, .	1.6	9
115	Measurement of single charged pion production in the charged-current interactions of neutrinos in a 1.3 GeV wide band beam. Physical Review D, 2008, 78, .	1.6	39
116	Search for charged current coherent pion production on carbon in a few-GeV neutrino beam. Physical Review D, 2008, 78, .	1.6	72
117	Measurement of the axial vector mass in neutrino-Carbon interactions at K2K. AIP Conference Proceedings, 2007, , .	0.3	21
118	Neutrino interactions: experiments. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 183-185.	0.5	0
119	Bulk micromegas detectors for large TPC applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 425-432.	0.7	26
120	Characterization of a high resolution triple Gas Electron Multiplier (GEM) detector. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 234-236.	0.5	1
121	Bottom production cross section from double muonic decays of b-flavoured hadrons in 920 GeV proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 103-110.	1.5	3
122	A Measurement of the $\tilde{\chi}^0$ to J/ψ production ratio in 920 GeV proton-nucleus interactions. European Physical Journal C, 2007, 49, 545-558.	1.4	43
123	K^*0 and $\tilde{\chi}^0$ meson production in proton-nucleus interactions at $\sqrt{s}=41.6$ GeV. European Physical Journal C, 2007, 50, 315-328.	1.4	28
124	Measurement of $D0$, D^+ , D_s^+ and D^{*+} production in fixed target 920 GeV proton-nucleus collisions. European Physical Journal C, 2007, 52, 531-542.	1.4	33
125	Luminosity determination at HERA-B. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 401-412.	0.7	3
126	A GEM based TPC with two large 3-GEM Towers. , 2006, , .		1

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127	Measurement of neutrino oscillation by the K2K experiment. Physical Review D, 2006, 74, .	1.6	498
128	Measurement of the quasielastic axial vector mass in neutrino interactions on oxygen. Physical Review D, 2006, 74, .	1.6	143
129	$\nu_{\mu} \rightarrow \nu_{\tau}$ oscillation in the K2K experiment. Physical Review D, 2006, 74, .	1.5	20
130	Measurement of the $\bar{\nu}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 13-21.	1.5	7
131	Measurement of the $\nu_{\mu} \rightarrow \nu_{\tau}$ oscillation in the K2K experiment. Physical Review D, 2006, 74, .	1.5	20
132	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
133	Search for neutrino-induced charged current coherent pion production with carbon in a 1.3 GeV wide band muon neutrino beam. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 239-241.	0.5	2
134	Improved measurement of the $\bar{\nu}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physical Review D, 2006, 73, .	1.6	14
135	Improved Search for $\nu_{\mu} \rightarrow \nu_{\tau}$ Oscillation in a Long-Baseline Accelerator Experiment. Physical Review Letters, 2006, 96, 181801.	2.9	45
136	Near detector complex for the T2K long base line experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 139, 295-300.	0.5	2
137	HERA-B framework for online calibration and alignment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 574-583.	0.7	1
138	Search for Coherent Charged Pion Production in Neutrino-Carbon Interactions. Physical Review Letters, 2005, 95, 252301.	2.9	106
139	Design, construction, and initial performance of SciBar detector in K2K experiment. IEEE Transactions on Nuclear Science, 2005, 52, 2992-2997.	1.2	7
140	Evidence for Muon Neutrino Oscillation in an Accelerator-Based Experiment. Physical Review Letters, 2005, 94, 081802.	2.9	375
141	Limits for the Central Production of $\bar{\nu}$ and $\bar{\nu}$ -Pentaquarks in 920-GeV pA Collisions. Physical Review Letters, 2004, 93, 212003.	2.9	70
142	Search for the flavor-changing neutral current decay $\nu_{\mu} \rightarrow \nu_{\tau} \gamma$. Physical Review Letters, 2004, 93, 212003.	1.5	7
143	HERA-B data acquisition system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 566-581.	0.7	6
144	Neutrino oscillation physics with a higher- β $\bar{\nu}$ -beam. Nuclear Physics B, 2004, 695, 217-240.	0.9	108

#	ARTICLE	IF	CITATIONS
145	Measurement of the $\sigma_{b\bar{b}}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2003, 26, 345-355.	1.4	23
146	Inclusive V production cross sections from 920 GeV fixed target proton-nucleus collisions. European Physical Journal C, 2003, 29, 181-190.	1.4	15
147	Offline mass data processing using online computing resources at HERA-B. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 471-474.	0.7	2
148	J/ψ production via Υ decays in 920 GeV pA interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 61-72.	1.5	29
149	Architecture of the HERA-B data acquisition system. IEEE Transactions on Nuclear Science, 2003, 50, 859-863.	1.2	4
150	Measurements of the structure of quark and gluon jets in hadronic Z decays. European Physical Journal C, 2000, 17, 1-18.	1.4	30
151	Search for the standard model Higgs boson at the LEP2 Collider near GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 336-351.	1.5	9
152	Analysis of transverse momentum correlations in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 183-198.	1.5	0
153	Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s} = 181-184$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 467-478.	1.5	7
154	Search for invisible Higgs boson decays in e^+e^- collisions at centre-of-mass energies up to 184 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 301-312.	1.5	7
155	Determination of. European Physical Journal C, 1999, 6, 555.	1.4	26
156	Search for supersymmetry with a dominant R-parity violating. European Physical Journal C, 1999, 7, 383.	1.4	5
157	Search for charginos and neutralinos in e. European Physical Journal C, 1999, 11, 193.	1.4	17
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