# Extraction of the <mml:math xmlns:mml="http://www.
display="inline"><mml:mrow><mml:mmultiscripts><m
mathvariant="normal">U</mml:mi></mml:mrow><mn
/><mml:mrow><mml:mn>235</mml:mn></mml:mrow>
and <mml:math xmlns:mml="http://www.w3.org/1998/
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/><mml:none /><mml:mrow><mml:mn>239</mml:mn>

Physical Review Letters

123, 111801

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#	Article	IF	Citations
1	Improving the energy resolution of the reactor antineutrino energy reconstruction with positron direction. Radiation Detection Technology and Methods, 2020, 4, 356-361.	0.4	0
2	Reevaluating reactor antineutrino anomalies with updated flux predictions. Physical Review D, 2020, 101, .	1.6	23
3	Mapping reactor neutrino spectra from TAO to JUNO. Physical Review D, 2020, 102, .	1.6	7
4	<i>Colloquium</i> : Neutrino detectors as tools for nuclear security. Reviews of Modern Physics, 2020, 92, .	16.4	42
5	Present and Future Contributions of Reactor Experiments to Mass Ordering and Neutrino Oscillation Studies. Universe, 2020, 6, 52.	0.9	7
6	Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164823.	0.7	34
7	Measurement of the Ratio of Cumulative Spectra of Beta Particles from $${}^{{235}}$$U and $${}^{{239}}$$Pu Fission Products for Solving Problems of Reactor-Antineutrino Physics. Physics of Atomic Nuclei, 2021, 84, 1-10.	0.1	12
8	Sterile neutrinos and the global reactor antineutrino dataset. Journal of High Energy Physics, 2021, 2021, 1.	1.6	33
9	Ab initio calculations of reactor antineutrino fluxes with exact lepton wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136067.	1.5	3
10	Improved short-baseline neutrino oscillation search and energy spectrum measurement with the PROSPECT experiment at HFIR. Physical Review D, 2021, 103, .	1.6	60
11	The physics potential of a reactor neutrino experiment with Skipper CCDs: measuring the weak mixing angle. Journal of High Energy Physics, 2021, 2021, 1.	1.6	30
12	Antineutrino Energy Spectrum Unfolding Based on the Daya Bay Measurement and Its Applications. Chinese Physics C, 0, , .	1.5	13
13	First antineutrino energy spectrum from ²³⁵U fissions with the STEREO detector at ILL [*]. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075107.	1.4	15
14	A decade of discoveries by the Daya Bay reactor neutrino experiment. Modern Physics Letters A, 2021, 36, 2130021.	0.5	1
15	Reactor Antineutrino Anomaly Reanalysis in Context of Inverse-Square Law Violation. Universe, 2021, 7, 246.	0.9	4
16	Sterile neutrinos. Physics Reports, 2021, 928, 1-63.	10.3	92
17	Reevaluating reactor antineutrino spectra with new measurements of the ratio between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">U</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mm	1.6	34
19	Potential impact of sub-structure on the determination of neutrino mass hierarchy at medium-baseline reactor neutrino oscillation experiments. European Physical Journal C, 2020, 80, 1.	1.4	1

#	Article	IF	Citations
20	Pulse-shape Discrimination of Fast Neutron Background using Convolutional Neural Network for NEOS II. Journal of the Korean Physical Society, 2020, 77, 1118-1124.	0.3	7
21	Measurements using a prototype array of plastic scintillator bars for reactor based electron anti-neutrino detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1024, 166126.	0.7	3
22	Search for sterile neutrinos by shower events at a future neutrino telescope. Progress of Theoretical and Experimental Physics, 0, , .	1.8	1
23	Status and perspectives of neutrino physics. Progress in Particle and Nuclear Physics, 2022, 124, 103947.	5.6	31
24	JUNO physics and detector. Progress in Particle and Nuclear Physics, 2022, 123, 103927.	5.6	86
25	Joint Determination of Reactor Antineutrino Spectra from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">U</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mm	2.9	12
26	Neutrino oscillation phenomenology and the impact of Professor Masatoshi Koshiba. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	1
27	Neutrino physics opportunities with the IsoDAR source at Yemilab. Physical Review D, 2022, 105, .	1.6	15
28	Reactor antineutrino anomaly in light of recent flux model refinements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137054.	1.5	41
29	Separation of the ²³⁵U and ²³⁹Pu Prompt Energy Spectra in NEOS-II. Journal of Physics: Conference Series, 2021, 2156, 012139.	0.3	2
30	Joint Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">U</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Antineutrino Spectrum by PROSPECT and STEREO. Physical Review Letters, 2022, 128, 081802.	2.9	11
31	Model-independent determination of isotopic cross sections per fission for reactor antineutrinos. Physical Review D, 2022, 105, .	1.6	1
33	Neutrino oscillations: status and prospects for determination of neutrino mass ordering and leptonic CP-violation phase. Physics-Uspekhi, 0, , .	0.8	4
34	PROSPECT-II physics opportunities. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 070501.	1.4	5
35	First Measurement of High-Energy Reactor Antineutrinos at Daya Bay. Physical Review Letters, 2022, 129, .	2.9	8
36	Sub-percent precision measurement of neutrino oscillation parameters with JUNO*. Chinese Physics C, 2022, 46, 123001.	1.5	20
37	Abundances of Uranium and Thorium Elements in Earth Estimated by Geoneutrino Spectroscopy. Geophysical Research Letters, 2022, 49, .	1.5	10
38	Sterile Neutrino Search with MicroBooNEâ€™s Electron Neutrino Disappearance Data. Physical Review Letters, 2022, 129, .	2.9	16

#	Article	IF	Citations
39	Evaluation of the response of plastic scintillator bars and measurement of neutron capture time in non-reactor environment for the ISMRAN experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1042, 167415.	0.7	0
40	Origin of the Reactor Antineutrino Anomalies in Light of a New Summation Model with Parametrized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow><mml:mrow><mml:mo>â^'</mml:mo></m Transitions. Physical Review Letters, 2023, 130.	2.9	7
41	Complete <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay patterns of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mn>142</mml:mn></mml:mmultiscripts><mml:mo>,</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mn>142</mml:mn></mml:m	1.1	1