

Masses of exotic calcium isotopes pin down nuclear force

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Citation Report

#	ARTICLE	IF	CITATIONS
1	ISOLTRAP's multi-reflection time-of-flight mass separator/spectrometer. International Journal of Mass Spectrometry, 2013, 349-350, 123-133.	0.7	140
2	Recent exploits of the ISOLTRAP mass spectrometer. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 492-500.	0.6	41
3	Evidence for a new nuclear "magic number" from the level structure of ^{54}Ca . Nature, 2013, 502, 207-210.	13.7	308
4	Information content of the weak-charge form factor. Physical Review C, 2013, 88, .	1.1	43
5	Heavy calcium nuclei weigh in. Nature, 2013, 498, 307-308.	13.7	0
6	Weighing exotic calcium isotopes. Physics Today, 2013, 66, 15-17.	0.3	1
7	Quantum Monte-Carlo Calculations with Chiral Effective Field Theory Interactions. Physical Review Letters, 2013, 111, 032501.	2.9	257
8	Kernstruktur von Exoten. Physik in Unserer Zeit, 2013, 44, 217-218.	0.0	0
9	Evidence for the extinction of the $N=20$ neutron closure for ^{32}Mg from direct mass measurements. Physical Review C, 2013, 88, .	1.1	22
10	Large-scale nuclear structure calculations for spin-dependent WIMP scattering with chiral effective field theory currents. Physical Review D, 2013, 88, .	1.6	138
11	Nuclear Pairing Gap: How Low Can It Go?. Physical Review Letters, 2013, 111, 162502.	2.9	23
13	ISOLDE highlights and the HIE-ISOLDE project. EPJ Web of Conferences, 2014, 66, 11005.	0.1	0
14	Shell Evolutions and Nuclear Forces. EPJ Web of Conferences, 2014, 66, 01016.	0.1	10
15	The NUSTAR program at FAIR. EPJ Web of Conferences, 2014, 71, 00064.	0.1	8
16	Design of the multi-reflection time-of-flight mass spectrometer for the RAON facility. EPJ Web of Conferences, 2014, 66, 11042.	0.1	7
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19	Study of the deformation-driving $d_{5/2}$ orbital in ^{67}Ni using one-neutron transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 533-538.	1.5	16

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20	The ISOLDE facility and the HIE-HISOLDE project: Recent highlights. , 2014, , .		0
21	Local chiral effective field theory interactions and quantum Monte Carlo applications. Physical Review C, 2014, 90, .	1.1	186
22	Chiral two- and three-nucleon forces along medium-mass isotope chains. Physical Review C, 2014, 89, .	1.1	140
23	New determination of double β -decay properties in ^{48}Ca : High-precision measurement and improved nuclear matrix element calc. Physical Review C, 2014, 89, .	1.1	40
24	Quadrupole collectivity in island-of-inversion nuclei $^{28,30}\text{Ne}$ and $^{34,36}\text{Mg}$. Physical Review C, 2014, 89, .	1.1	24
25	Quantum Monte Carlo Calculations of Neutron Matter with Nonlocal Chiral Interactions. Physical Review Letters, 2014, 112, 221103.	2.9	77
26	<i>Ab initio</i> multireference in-medium similarity renormalization group calculations of even calcium and nickel isotopes. Physical Review C, 2014, 90, .	1.1	109
27	Origin of odd-even staggering in fragment yields: Impact of nuclear pairing and shell structure on the particle-emission threshold energy. Physical Review C, 2014, 89, .	1.1	22
28	Shell structure of potassium isotopes deduced from their magnetic moments. Physical Review C, 2014, 90, .	1.1	39
29	Nonperturbative Shell-Model Interactions from the In-Medium Similarity Renormalization Group. Physical Review Letters, 2014, 113, 142501.	2.9	184
30	Magicity of the ^{52}Ca and ^{54}Ca isotopes and tensor contribution within a mean-field approach. Physical Review C, 2014, 89, .	1.1	22
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33	Ion bunch stacking in a Penning trap after purification in an electrostatic mirror trap. Applied Physics B: Lasers and Optics, 2014, 114, 147-155.	1.1	16
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37	Three-nucleon forces and spectroscopy of neutron-rich calcium isotopes. Physical Review C, 2014, 90, .	1.1	75

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181	Penning-Trap Mass Measurements in Atomic and Nuclear Physics. Annual Review of Nuclear and Particle Science, 2018, 68, 45-74.	3.5	60

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183	Non-isobaric time-of-flight correction for isobar resolving in MR-ToF mass spectrometry. International Journal of Mass Spectrometry, 2018, 432, 44-51.	0.7	11
184	Magic Nature of Neutrons in ^{54}Ca : First Mass Measurements of ^{54}Ca and ^{54}Ti from ^{54}Ca and ^{54}Ti Isotopes. Physical Review C, 2018, 98, .	2.9	89
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