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RESEARCH ARTICLES

Identification of milestone papers in physics via reference publication year spectroscopy

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ABSTRACT

In the modern time of the high speed development of physics, the citation analysis facilitates us to trace the brilliant ideas and works in the past. Here we use the Reference Publication Year Spectroscopy (RPYS) to identify the historical roots that announce significant discoveries in physics and compare them with the milestone papers selected by physicists. Among the 123 milestones, 64 milestone papers are successfully identified by RPYS. Some papers are identified simultaneously in multiple subfields, implying their broad impact across the fields of physics. The RPYS analysis shows promise in detecting the historical roots and identifying fundamental papers. There are still some open questions that need to be investigated.

KEYWORDS

Reference Publication Year Spectroscopy; RPYS; Milestone Papers; Citation Analysis

1 Introduction

In the past decades, we have witnessed the exponential growth of publications and the great achievements in physics ranging from Higgs boson in micro scale to gravitational wave in large scale. With the citation data becoming more available and citation analysis approaches and tools being developed, we can efficiently trace the idea flows to the breakthroughs that significantly boost the advancement of physics via the citation links. Detecting these historical roots plays important roles in providing insights for understanding the context of knowledge creation and guidance for future directions of development. Redner (2005) analysed the citation statistics of publications from 110 years of Physical Review series and the citation patterns of highly-cited papers. Khelfaoui and Gingras (2019) turn to a journal-level perspective and quantitatively analyse the changing position of Physical Review from the periphery to the center of the physics journal citation network among its more than 120 years history.

Among the citation analysis approaches, the recently proposed reference publication year spectroscopy (RPYS) method (Marx & Bornmann, 2014) aiming at exploring the historical roots, attracts scholars' attention. RPYS investigates the yearly distribution characteristics of

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the cited references of a set of publications in a pre-selected field (Comins & Hussey, 2015). RPYS has been hitherto applied by some researchers to identify milestone works in several research fields and topics, e.g., Graphene and solar cells (Marx et al., 2014), Darwin Finches (Marx & Bornmann, 2014), Higgs Boson (Barth et al., 2014), IMetrics (Leydesdorff et al., 2014), Philosophy of Science (Wray & Bornmann, 2015), Global Positioning System (GPS) (Comins & Hussey, 2015), Knowledge Management (Khasseh & Mokhtarpour, 2016), Tribology (Elango et al., 2016), Information and Library Science (Comins & Leydesdorff, 2017), Citation analysis (Hou, 2017), Depression Prevention (Geraei et al., 2018), Carotid Artery Stenting (Yeung, 2020), Critical Social Psychology (Millán et al., 2020), Ecological Economics (Ballandonne, 2019), Health Equity (Yao et al., 2019), Positive Psychology (Khademi & Najafi, 2018). In addition, easily and user-friendly tools are also developed by Leydesdorff (www.leydesdorff.net/software/rpys), Thor(CRExplorer,www.crexplorer.net), Comins (http://comins.leydesdorff.net).

In the exploration work of many predecessors, we find that the application scenarios of RPYS are mainly on small subject areas. So if you want to expand this method, there are two key questions: What if there is no way to determine the subject search terms? What to do if RPYS is applied to a large field? To solve the first problem, Some researchers apply maker paper to reveal the most important works for the relevant community, and all papers co-cited with the marker paper are analyzed using RPYS (Haunschild & Marx, 2020; Scheidsteger & Haunschild, 2020). Various sampling methods are used to solve the second problem. Haunschild et al. (2020) concluded that the cluster sampling performs worst and the systematic sampling performs best. The random sampling also performs very well but not as well as the systematic sampling. But still there are some differences between part RPYS (sampling spectrogram) and full RPYS (population spectrogram), because the loss of data will lead to the overall deviation. More importantly, in this paper we propose a new method to apply RPYS on whole physics data set. We use Physics and Astronomy Classification Scheme (PACS) codes to divide the whole data set into several small units, each of which can exist as a subject independently, and is analyzed using RPYS.

In addition, although RPYS has shown promising potential in identifying seminal works, in most of the exploration works, the authors consider themselves also as experts to interpret the results, resulting to the validation of RPYS less objective. Bornmann et al. (2018) compared RPYS's performance with independent expert-opinion in the research topic of basal cell carcinoma. In this work, we attempt to apply RPYS analysis in the discipline of physics and evaluate its performance against milestones selected by experts.

2 Data and Methods

APS dataset. In this work we use the papers published in American Physical Society (APS) journals to test the effectiveness of RPYS in identifying milestone papers. The APS publish the famous Physical Review journal series, e.g., Phys. Rev. Lett., A, B, C, D and E, covering almost all areas of physics. The data set was directly provided by APS under request, with a total of more than 550,000 articles. The publication year was from 1894 to 2015, and the articles and their references formed nearly 7 million citations. *Milestone papers.* In 2008 to celebrate the 50th anniversary of *Phys. Rev.* Lett., one of the most prestigious physics journals, a collection of Milestone Letters that "have made long-lived contributions to physics, either by announcing significant discoveries, or by initiating new areas of research" are selected by the

APS editors. These milestone letters are further used as a part of golden standard to validate the performance of RPYS. For details of the milestone letters, please see PRL[1]. Later, in 2020, as part of the celebration of the 50th anniversary of Physical Review A, Physical Review B, Physical Review C, and Physical Review D , their editors started a collection of milestone papers which has made important contributions to specific field like atomic, condensed matter physics, nuclear physics, particle physics and so on. These selected milestone papers form the other part of golden standard to validate the performance of RPYS. For details of the milestone papers, please see the websites of PRA[2], PRB[3], PRC[4] and PRD[5]. In total 230 milestone papers are selected by experts.

PACS codes. Physics and Astronomy Classification Scheme (PACS) codes is a classification system of fields in physics. One PACS code consists of 6 digits encoding a hierarchical structure of physics from broad fields to specific topics, e.g. 05.10.Gg. For each APS paper , about 3 codes are assigned to represent its corresponding research topics. In this work, we used the first 2 digits to categorize the papers into categories focusing on similar research topics. In each categorize, we use RPYS to identify and validate the milestone papers. As the PACS codes started from the early 1980s, we only included papers published ranging from 1985 to 2013 in our analysis. There are a total of 123 milestone papers with PACS codes, and each milestone paper will be put in one or several categories based on the assigned PACS codes.

RPYS. RPYS analysis is based on the reference publication year analysis and the procedure can be briefly described into four steps. 1) Gather related publications together with their references from an interested research topic or area. Such set can be established via search-

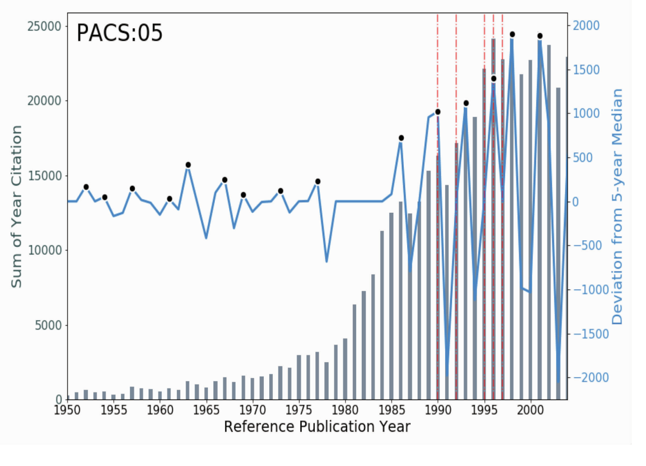

Figure 1 Example of RPYS analysis on the field of PACS-05. Gray bars represent the citations of each reference publication year, blue solid line represents the deviation within a five-year time window, black dots represent the selected peak years and red dashed lines highlight the publication year of milestones in gold standard.

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[1] https://journals.aps.org/prl/50years/milestones

[2] https://journals.aps.org/pra/50th

[3] https://journals.aps.org/prb/50th

[4] https://journals.aps.org/prc/50th

[5] https://journals.aps.org/prd/50th

ing for some keywords. Here we use the PACS codes to construct our analyzing publication set. 2) Aggregate the cited references according to their published years to form a *total citation v.s. reference publication year* plot. 3) Calculate the deviation of number of cited references in one reference publication year compared with that of previous and following two years. Large positive deviation implies important publications are published in that year. 4) Select the years with large deviation as peak years based on some criteria, and then select the top cited publications within these peak years as milestones. Here for simplicity, we use absolute peak criterion to select the peak years. Figure 1 shows the RPYS analysis on the publications belonging to PACS:05. The gray bars represent reference publication year distribution, and the blue line represents the deviation within a five-year time window. The black dots indicate the selected peak years. The top 10 highly cited references in each peak year are selected as key publications and will be further compared with the milestones selected by experts.

3 Results

The performance of applying RPYS on the APS dataset is shown in Table 1. Among the 123 milestones, in total, 64 milestone papers are successfully identified by RPYS and the identification rate is 52%. Diving into each PACS category (see Table 1), we found that the category of PACS-76 and 96 achieved 100% identification rate. However, there are 11 PACS categories that fail to identify any milestone which is in the category, e.g., PACS-06 (metrology, measurements, and laboratory procedures), 07 (Instruments, apparatus, and components common to several branches of physics and astronomy), 24 (nuclear reactions), 29 (experimental methods and instrumentation for elementary-particle and nuclear physics) and 33 (molecular properties and interactions with photons).

Table 1 The identification performance of RPYS in each PACS category. For each PACS category, the number of milestones in this category (N), the number of successfully identified milestones by RPYS (Sn) and identification rate (R) are presented among the 123 mile-

PACS	*N*	*Sn*	*R*	*PACS*	*N*	*Sn*	*R*
02	3	1	33.33%	61	3	1	33.33%
03	19	4	21.05%	63	1	0	0.00%
04	5	4	80.00%	64	1	0	0.00%
05	11	4	36.36%	67	2	1	50.00%
06	2	0	0.00%	68	3	1	33.33%
07	1	0	0.00%	71	16	1	6.25%
11	8	3	37.50%	72	8	2	25.00%
12	12	1	8.33%	73	12	1	8.33%
13	16	3	18.75%	74	6	1	16.67%
14	11	3	27.27%	75	9	4	44.44%
21	18	4	22.22%	76	1	1	100.00%
23	4	2	50.00%	77	3	1	33.33%
24	4	0	0.00%	78	6	1	16.67%
25	14	2	14.29%	81	2	1	50.00%
26	6	2	33.33%	82	1	0	0.00%
27	6	2	33.33%	84	2	0	0.00%

PACS	*N*	*Sn*	*R*	*PACS*	*N*	*Sn*	*R*
29	1	0	0.00%	85	3	1	33.33%
31	7	3	42.86%	87	1	0	0.00%
32	8	3	37.50%	89	6	2	33.33%
33	1	0	0.00%	95	6	1	16.67%
37	1	0	0.00%	96	1	1	100.00%
41	4	1	25.00%	97	6	3	50.00%
42	19	6	31.58%	98	3	2	66.67%

stone Among the 123 milestone papers, 38 milestone papers are simultaneously identified based on RPYS at least in 2 PACS categories, implying their broad impact across the fields of physics (see Table 2 (end of this paper)). For example, the milestone paper (doi:*PhysRevB.54.11169*) entitled "Efficient iterative schemes for ab initio total-energy calculations using a plane-wave basis set" authored by Kresse and Furthmüller (1996), emerges from 18 PACS categories, e.g. PACS-02(mathematical methods in physics), 31(electronic structure of atoms and molecules: theory), 61 (structure of solids and liquids; crystallography), 71 (electronic structure of bulk materials) , 81(materials science), and 85(electronic and magnetic devices; microelectronics)(see Table 3). As shown in Table 3, this milestone paper has a high citation in every PACS category. Especially in PACS-61, 68 and 71, it was cited more than 1000 times. The description of this milestone paper by PRB editor is as follows:

"Kresse and Furthmüller present an iterative matrix diagonalization scheme and a charge density mixing scheme for the determination of the electronic ground state of a condensed matter system within the Kohn-Sham density functional approach. Based on this and three other major publications by Kresse and colleagues from 1993 and 1996, the proposed techniques have been expertly built into the computational software now widely known and used as the Vienna Ab initio Simulation Package (VASP). The resulting flexible tool has enabled the reliable prediction of the electronic structure and other important ground-state properties of an impressive range of materials. The package is by far the most popular and widely used computer program for atomic-scale materials modeling."

In Table 3, we also noticed a paper (PhysRevLett.77.3865) revealed by RPYS but was not selected into milestone paper collections by experts. This paper authored by John P. Perdew, Kieron Burke and Matthias Ernzerhof, presents a simple derivation of a simple Generalized gradient approximations, in which all parameters (except those in local spin density (LSD)) are fundamental constants, has been cited more than 100,000 times in web of science .

Table 3 The citation performance of the milestone paper (PhysRevB.54.11169) in each PACS category. This milestone paper was revealed by RPYS in 18 categories. For these categories, we present the top 3 highly cited papers and their citations.

PACS	DOI	Citations	Rank	PACS	DOI	Citations	Rank
	PhysRevD.53.6749	42	1		PhysRevLett.77.3865	1073	1
07	PhysRevLett.77.3865	32	2	75	PhysRevB.54.11169	705	2
	PhysRevB.54.11169	20	3		PhysRevB.54.9353	465	3
	PhysRevLett.77.3865	576	1		PhysRevB.54.11169	240	1
31	PhysRevB.54.11169	246	2	77	PhysRevLett.77.3865	216	2
	PhysRevA.54.3948	90	3		PhysRevB.53.5047	36	3

PACS	DOI	Citations	Rank	PACS	DOI	Citations	Rank
	PhysRevLett.77.3865	1454	1		PhysRevLett.77.3865	439	1
61	PhysRevB.54.11169	1427	2	78	PhysRevB.54.11169	258	2
	PhysRevLett.76.2511	122	3		PhysRevLett.76.3005	212	3
	PhysRevLett.77.3865	398	1		PhysRevLett.77.3865	514	1
63	PhysRevB.54.11169	345	2	81	PhysRevB.54.11169	446	2
	PhysRevLett.77.3831	51	3		RevModPhys.68.1259	139	3
	PhysRevLett.77.3865	1129	1		PhysRevLett.77.3865	282	1
68	PhysRevB.54.11169	1103	2	82	PhysRevB.54.11169	233	2
	PhysRevLett.76.1675	113	3		PhysRevLett.77.1897	63	3
	PhysRevLett.77.3865	3074	1		PhysRevLett.77.3865	27	1
71	PhysRevB.54.11169	1860	2	84	PhysRevB.54.11169	25	2
	RevModPhys.68.13	1308	3		PhysRevLett.76.4773	12	3
	PhysRevB.54.9353	311	1		PhysRevB.54.9353	229	1
72	PhysRevLett.77.3865	306	2	85	PhysRevLett.77.3865	124	2
	PhysRevB.54.11169	205	3		PhysRevB.54.11169	74	3
	PhysRevLett.77.3865	1201	1				
73	PhysRevB.54.11169	928	2				
	PhysRevLett.77.3613	343	3				

There are 26 milestone papers identified by RPYS program only in 1 PACS categories, which imply their irreplaceable impact in the specific fields of physics. Here we take some milestone papers for examples (see Table 4). From the corresponding relationship between the PACS column and the Contributions column in Table 4, we can find that these milestone papers have made irreplaceable impetus to these corresponding fields, and promoted the rapid development of these fields.

Table 4 The example of milestone paper, which has great influence on some specific field of physics. For each milestone paper the doi, PACS category that revealed this milestone paper, Contribution described by the corresponding journal editors, Citations within the specific PACS category, and ranking of the paper based on citations in each PACS category are presented.

DOI	PACS	Contribution	Citations	Rank
PhysRevA.38.3098	31 (Electronic stru cture of atoms and molecules: theory)	This paper introduces a gradient –corrected exchange –energy functional that reproduces the exact asymptotic behavior of finite many–electron systems. This functional marks an important development in density functional theory with far–reaching applications in atomic and condensed matter physics, chemistry, and materials science.	269	1
PhysRevB.39.4828	75 (Magnetic properties and materials)	The work involves the discovery of a much more pronounced effect – giant magnetoresistance; The 2007 Nobel Prize in Physics was awarded to Albert Fert and Peter Grünberg " for the discovery of Giant Magnetoresistance."	356	2

DOI	PACS	Contribution	Citations	Rank
PhysRevC.58.1671	25 (Probability theory, stochastic processes, and statistics)	This paper provided a strategy and the techniques for analyzing anisotropic flow in relativistic nuclear collisions. Nearly all theoretical and experimental researchers in this field are guided by this analysis in investigating the high–temperature matter created in such collisions.	175	1
PhysRevD.56.3258	98 (Stellar systems; interstellar medium; galactic and extragalactic objects and systems; the Universe)	In this paper, the authors provide an expansive and detailed fundamental theory of reheating, which includes several different phases dubbed preheating. But with this paper the authors provided the basis for every model of reheating to this day.	286	1
PhysRevLett. 58.1490	97 (Stars)	This paper reported the observation in two large underground water Cherenkov detectors of neutrinos associated with the supernova 1987A. The observation of the neutrinos helped confirm the understanding of the physics of supernovae, provided limits on the neutrino rest mass and other properties and ushered in a new era of neutrino astronomy.	136	1
PhysRevLett. 61.2472	72 (Electronic transport in condensed matter)	The involves the discovery of a much more pronounced effect – giant magnetoresistance; The 2007 Nobel Prize in Physics was awarded to Albert Fert and Peter Grünberg " for the discovery of Giant Magnetoresistance."	324	1

4 Conclusion and Discussion

In this work, we investigate the RPYS analysis and its application in identifying milestones in the field of physics. Comparing with the golden standards selected by experts, 64 out of 123 milestones are successfully identified (52% identification rate) from 46 PACS categories in total. However the success rates across the fields of physics show large difference. The remaining 59 milestone papers are not identified in any of the PACS categories by RPYS. Going through these 59 papers in detail, we find that there are two main reasons why the RPYS program can not identify milestone papers selected by experts. One is the publication year of milestone papers fail to appear in peak years. In RPYS analysis, peak year selection is a fundamental step, and here we use the absolute peak criterion, which needs the current deviation being larger than both sides. The second is that there are not enough citations in the field defined by PACS codes. In the program of RPYS, if a reference publication year is determined, we will use these papers citations to rank in this year. So if a milestone paper selected by field experts fails to accumulate enough citations, it can not emerge out from those papers which get more citations. The reference years of these 9 milestones all failed in satisfying this criterion. Despite of being not in the peak years, the citation counts of 5 milestones are not high enough to be ranked in top 10. The citations of a paper in this context is determined by publication years and the division of the fields. In our work, the publication year of milestone papers arrange from 1985 to 2013, and the data set from 1894 to 2015, so part of milestone papers have not enough time to accumulate citations in our data set.

The RPYS analysis shows promise in detecting the historical roots and identifying fundamental papers. There are still some open questions that need to be investigated. In the PRYS analysis, cited references are gathered and compared based on their publication years, while there is a huge difference in citation time to accumulate citations between articles published in January and articles in December of the same year. Mariani et al. (2016) pointed that comparing the target paper *i* within a relative publication window [i-△/2, i+△/2] centered on paper i is better than comparing within an absolute year. It will be an open question of how to modify RPYS in a relative reference time instead of year. In addition, it is important to compare the performance of RPYS with other citation-based approaches.

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Author Contributions

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Data Curation: LY, SZ
Formal analysis: LY, SZ
Methodology: LY, SZ
Writing – original draft: YL, SZ
Writing – review & editing: SZ, LY, YL
Supervision: YL

Conflicts of Interest

The authors declare no conflicts of interest regarding the publication of this paper.

Reference

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Table 2 The performance of RPYS in identifying milestone papers. The P column indicates whether or not the milestone paper appears in the peak year, C column for total citation and R for ranking. Successfully identified milestones are highlight in bold italics font.

PACS		02			03			04			05			06		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	1985	N	2	264	N	8	153	Y			N	5	522	N		
PhysRevLett.55.48	1985	N	2	264	N	12	107	Y			N	7	405	N	3	15
PhysRevB.34.5390	1986	Y	5	92	N	2	466	N			Y	3	720	Y		
PhysRevLett.56.930	1986	Y	7	63	N	6	181	N	2	164	Y	19	125	Y	4	11
PhysRevLett.58.1490	1987	N	3	171	Y	4	270	N	17	33	N	1	1194	N	1	34
PhysRevLett.58.1494	1987	N	3	171	Y	5	222	N	16	38	N			N	1	34
PhysRevC.35.2252	1987	N			Y			N			N			N		
PhysRevC.36.2026	1987	N	3	171	Y	3	339	N			N	1	1194	N		
PhysRevLett.58.908	1987	N			Y	2	432	N			N	8	312	N		
PhysRevB.37.3759	1988	N	10	48	N	14	90	Y			N	28	74	N		
PhysRevC.38.1010	1988	N	1	503	N	1	758	Y	27	20	N	6	478	N		
PhysRevLett.61.169	1988	N	1	503	N	17	73	Y			N			N	2	24
PhysRevLett.61.2472	1988	N	2	303	N	3	393	Y			N	5	561	N		
PhysRevLett.61.826	1988	N	2	303	N	41	25	Y			N	12	223	N	1	45
PhysRevA.38.3098	1988	N	14	23	N	7	182	Y			N	6	478	N		
PhysRevB.37.785	1988	N	12	35	N	6	217	Y			N	8	358	N		
PhysRevB.38.6084	1988	N			N			Y			N			N		
PhysRevB.39.4828	1989	Y	1	555	Y	1	747	N			N	2	1086	Y		
PhysRevB.40.546	1989	***Y***	***43***	***4***	***Y***	***577***	***2***	N	2	188	N	491	1	Y	3	21
PhysRevLett.63.1950	1989	Y	3	231	Y	11	115	N			N	3	850	Y		
PhysRevLett.64.1196	1990	N	39	3	N	13	120	N			***Y***	***492***	***3***	N	2	27
PhysRevLett.64.821	1990	N	35	4	N	5	296	N			***Y***	***612***	***1***	N		
PhysRevC.41.1147	1990	N			N			N			Y			N		
PhysRevLett.67.2295	1991	N	5	98	N	9	177	N			N	4	770	N		
PhysRevLett.67.661	1991	N	25	7	N	986	1	N	6	123	N	22	103	N	2	25
PhysRevA.45.8185	1992	N	3	258	N	102	11	N	1	357	N	16	209	N	4	12
PhysRevLett.69.2863	1992	N	154	1	N	315	2	N	1	357	N	340	1	N		
PhysRevD.46.381	1992	N	1	672	N			N	6	155	N			N		
PhysRevLett.68.557	1992	N	7	81	N	205	7	N	2	278	N	3	1086	N		
PhysRevD.48.R3427	1993	Y	2	406	Y	6	339	***Y***	***243***	***2***	Y	4	976	Y		
PhysRevB.47.1651	1993	Y	4	187	Y	37	46	Y			Y	4	976	Y		
PhysRevB.48.10345	1993	***Y***	***84***	***2***	***Y***	***160***	***7***	Y	2	354	***Y***	***199***	***5***	Y		
PhysRevLett.70.1895	1993	Y	25	19	***Y***	***1505***	***1***	Y	17	98	Y	62	29	Y	2	32
PhysRevA.47.5138	1993	Y	6	115	***Y***	***219***	***4***	Y			Y	32	92	***Y***	***19***	***3***
PhysRevB.47.12727	1993	Y	1	701	Y	1	1186	Y			Y	2	1515	Y		
PhysRevB.48.7183	1993	Y	1	701	Y	10	221	Y	1	433	Y	49	46	Y		
PhysRevC.48.2451	1993	Y			Y			Y			Y			Y		
PhysRevC.48.792	1993	Y	1	701	Y	23	86	Y			Y	2	1515	Y		
PhysRevA.49.2117	1994	N	5	155	N	22	77	N			N	3	1187	N		

PACS		07			11			12			13			14		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	1985	N	22	1	Y	2	478	N			Y			N		
PhysRevLett.55.48	1985	N	2	53	Y			N			Y			N		
PhysRevB.34.5390	1986	Y	1	92	N			Y			N			Y		
PhysRevLett.56.930	1986	***Y***	***65***	***1***	N	1	689	Y	1	622	N			Y	1	452
PhysRevLett.58.1490	1987	N	1	105	Y	22	42	N	26	45	N	52	12	N	140	1
PhysRevLett.58.1494	1987	N	1	105	Y	22	42	N	21	62	N	48	15	N	129	2
PhysRevC.35.2252	1987	N			Y	7	191	N	6	226	N	17	49	N	1	452
PhysRevC.36.2026	1987	N			Y			N	3	389	N	1	513	N	2	352
PhysRevLett.58.908	1987	N			Y			N	1	634	N			N		
PhysRevB.37.3759	1988	N			N	10	112	N	1	623	N			N		
PhysRevC.38.1010	1988	N			N	1	667	N	11	130	N	16	54	N	1	425
PhysRevLett.61.169	1988	N			N			N			N			N		
PhysRevLett.61.2472	1988	N	2	48	N			N			N			N		
PhysRevLett.61.826	1988	N	2	48	N			N			N			N		
PhysRevA.38.3098	1988	N	3	24	N	3	351	N	2	462	N			N		
PhysRevB.37.785	1988	N	3	24	N	5	224	N	3	393	N			N		
PhysRevB.38.6084	1988	N			N			N			N			N		
PhysRevB.39.4828	1989	N			N			N			N			N		
PhysRevB.40.546	1989	N			N	11	111	N	2	477	N	1	517	N	1	434
PhysRevLett.63.1950	1989	N	3	30	N	1	650	N	1	642	N			N		
PhysRevLett.64.1196	1990	N	28	1	Y			N			N			N		
PhysRevLett.64.821	1990	N	14	4	Y	1	777	N			N			N		
PhysRevC.41.1147	1990	N			Y	1	777	N	1	742	N			N	2	404
PhysRevLett.67.2295	1991	N	2	51	N	2	581	N	1	703	N			N		
PhysRevLett.67.661	1991	N	4	21	N	2	581	N	2	559	N	1	566	N	1	500
PhysRevA.45.8185	1992	N	10	3	Y	7	297	Y	7	352	Y	3	466	Y	4	342
PhysRevLett.69.2863	1992	N			Y	33	38	Y	3	586	Y			Y		
PhysRevD.46.381	1992	N			***Y***	***131***	***5***	***Y***	***366***	***1***	***Y***	***81***	***7***	***Y***	***193***	***2***
PhysRevLett.68.557	1992	N	1	137	Y			Y	1	889	Y			Y		
PhysRevD.48.R3427	1993	N			N	47	16	N	1	952	N			N	1	668
PhysRevB.47.1651	1993	N			N	2	762	N			N			N	1	668
PhysRevB.48.10345	1993	N			N	19	89	N	3	648	N			N		
PhysRevLett.70.1895	1993	N	3	39	N	3	594	N	3	648	N	2	603	N	1	668
PhysRevA.47.5138	1993	N	10	6	N	1	1025	N			N			N	1	668
PhysRevB.47.12727	1993	N			N			N			N			N		
PhysRevB.48.7183	1993	N	1	173	N	8	266	N	1	952	N			N		
PhysRevC.48.2451	1993	N			N	2	762	N			N	8	263	N		
PhysRevC.48.792	1993	N			N	55	8	N	49	33	N	142	1	N	3	449
PhysRevA.49.2117	1994	N			N			N	5	504	N			N		

PACS		21			23			24			25			26		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	1985	N			Y			N			Y			N		
PhysRevLett.55.48	1985	N			Y			N			Y			N		
PhysRevB.34.5390	1986	N			N			N			N			N		
PhysRevLett.56.930	1986	N			N			N			N			N		
PhysRevLett.58.1490	1987	Y	6	163	Y	3	101	Y			Y	13	107	N	16	3
PhysRevLett.58.1494	1987	Y	4	240	Y	3	101	Y			Y	13	107	N	13	6
PhysRevC.35.2252	1987	Y	21	33	Y	1	181	Y	7	107	Y	12	120	N	2	42
PhysRevC.36.2026	1987	Y	32	14	Y	4	78	Y	5	152	Y	3	388	N	2	42
PhysRevLett.58.908	1987	Y			Y			Y			Y			N		
PhysRevB.37.3759	1988	N			N			N			N			Y		
PhysRevC.38.1010	1988	N	153	1	N			N	43	1	N	44	13	***Y***	***79***	***1***
PhysRevLett.61.169	1988	N			N			N			N			Y		
PhysRevLett.61.2472	1988	N			N			N			N			Y		
PhysRevLett.61.826	1988	N			N			N	1	417	N			Y		
PhysRevA.38.3098	1988	N			N			N			N			Y		
PhysRevB.37.785	1988	N	1	522	N	2	123	N			N			Y		
PhysRevB.38.6084	1988	N			N			N			N			Y		
PhysRevB.39.4828	1989	N			N			N			N			N		
PhysRevB.40.546	1989	N	4	205	N			N			N			N		
PhysRevLett.63.1950	1989	N			N			N			N			N		
PhysRevLett.64.1196	1990	Y			Y			N	1	457	Y			N		
PhysRevLett.64.821	1990	Y			Y			N	1	457	Y			N		
PhysRevC.41.1147	1990	***Y***	***127***	***2***	***Y***	***72***	***1***	N	12	47	***Y***	***57***	***8***	N	1	60
PhysRevLett.67.2295	1991	N			N			N			N			N		
PhysRevLett.67.661	1991	N			N			N			N			N		
PhysRevA.45.8185	1992	N			N			N			N			N		
PhysRevLett.69.2863	1992	N	11	80	N			N	2	351	N			N		
PhysRevD.46.381	1992	N			N			N			N			N		
PhysRevLett.68.557	1992	N			N			N			N			N		
PhysRevD.48.R3427	1993	N			N			N			N			N		
PhysRevB.47.1651	1993	N	1	549	N			N			N			N		
PhysRevB.48.10345	1993	N	12	99	N	2	146	N	2	394	N			N		
PhysRevLett.70.1895	1993	N			N			N			N			N		
PhysRevA.47.5138	1993	N	2	417	N			N			N			N		
PhysRevB.47.12727	1993	N			N			N			N			N		
PhysRevB.48.7183	1993	N	1	549	N			N			N	1	714	N		
PhysRevC.48.2451	1993	N	15	72	N			N	13	72	N	27	37	N		
PhysRevC.48.792	1993	N	190	1	N	1	209	N	66	2	N	79	3	N	14	7
PhysRevA.49.2117	1994	N			N			N			N	1	703	N		

PACS		02			03			04			05			06			07			11		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevC.49.2950	1994	N	2	480	N	31	48	N			N	3	1187	N			N	1	180	N	59	14
PhysRevD.49.2233	1994	N	1	794	N	1	1150	N	3	337	N	7	615	N			N			N	66	12
PhysRevD.49.3352	1994	N	2	480	N	1	1150	N	2	395	N	6	707	N			N			N	48	22
PhysRevC.52.R23	1995	N			N			Y			N	3	1369	Y			N	2	103	Y		
PhysRevLett.74.2626	1995	N	3	358	N			Y	4	298	N			Y	1	54	N			Y	55	15
PhysRevLett.74.2632	1995	N	2	508	N			Y	3	355	N			Y			N			Y	47	26
PhysRevLett.75.3969	1995	N	53	2	N	1142	1	Y	15	125	N	657	1	Y	5	18	N	6	19	Y	18	99
PhysRevC.51.38	1995	N	5	192	N	29	78	Y	5	269	N	20	195	Y			N	2	103	Y	56	13
PhysRevA.52.3457	1995	N	19	26	N	374	6	Y			N	24	143	Y	1	54	N	8	12	Y	1	1149
PhysRevA.52.R2493	1995	N	35	8	N	537	4	Y			N	32	86	Y			N	3	66	Y	2	859
PhysRevLett.77.420	1996	Y	7	134	Y	225	11	N	1	516	Y	135	6	N	1	48	Y			N	6	383
PhysRevB.54.9353	1996	Y			Y	8	362	N			Y	43	78	N			Y	2	94	N	1	1138
PhysRevB.54.11169	1996	Y	30	9	Y	4	602	N			Y	44	75	N	2	29	Y	20	3	N	1	1138
PhysRevC.53.2086	1996	Y	1	948	Y	16	196	N	1	516	Y			N			Y			N	47	17
PhysRevD.56.3258	1997	N			N	7	426	N	70	6	N	25	149	Y			N			N	92	3
PhysRevA.55.4318	1997	N	4	240	N	308	6	N	1	608	N	155	7	Y	1	64	N	2	105	N	2	953
PhysRevB.55.1142	1997	N	11	48	N	47	82	N	2	473	N	59	25	Y			N			N	18	110
PhysRevD.55.5112	1997	N	18	21	N	5	565	N	93	4	N	6	861	Y			N			N	213	2
PhysRevLett.78.2690	1997	N	53	1	N	31	129	N			N	318	1	Y	2	42	N	5	31	N	4	624
PhysRevB.58.R10096	1998	Y			Y			N			Y	1	2652	N			N	4	41	N		
PhysRevC.58.1671	1998	Y	1	943	Y			N			Y	3	1535	N			N			N	7	432
PhysRevC.58.1804	1998	Y	2	557	Y	6	512	N	67	11	Y	13	385	N	2	39	N			N	2	1086
PhysRevLett.81.1562	1998	Y	1	943	Y	10	348	N	22	66	Y			N			N	1	200	N	221	2
PhysRevA.57.120	1998	Y	22	10	Y	744	3	N	1	670	Y	63	26	N			N	10	15	N	3	864
PhysRevD.59.084006	1999	N	4	228	N	1	1495	Y	165	4	N	1	2524	Y	1	112	N	8	22	Y	2	1071
PhysRevLett.83.3370	1999	N	7	90	N	19	269	Y	857	2	N	7	742	Y	4	34	N			Y	813	1
PhysRevLett.83.4690	1999	N	5	159	N	12	375	Y	888	1	N	8	643	Y	2	61	N			Y	701	2
PhysRevD.62.064015	2000	N	2	540	N			N	144	3	N	1	2664	N			Y	10	10	N	1	1520
PhysRevLett.84.4184	2000	N	5	187	N	17	319	N			N	8	661	N			Y	4	48	N	1	1520
PhysRevLett.85.3966	2000	N	9	68	N	29	172	N	2	614	N	4	1244	N			Y	9	14	N		
PhysRevA.62.062314	2000	N	30	5	N	515	2	N	9	259	N	21	174	N			Y	3	70	N	7	476
PhysRevB.61.14095	2000	N	1	939	N			N			N			N			Y	1	234	N		
PhysRevC.62.054311	2000	N	6	144	N	10	486	N			N	7	750	N			Y			N	7	476
PhysRevLett.84.3232	2000	N			N	2	1239	N			N			N	10	9	Y	1	234	N		
PhysRevLett.84.5102	2000	N			N	3	1032	N	2	614	N			N	24	4	Y	2	111	N	1	1520
PhysRevB.63.245407	2001	Y	4	264	N	1	1779	N			Y	9	597	N			N	1	239	N		
PhysRevD.63.114020	2001	Y			N			N	2	644	Y			N			N			N	57	24
PhysRevLett.87.071301	2001	Y	1	1024	N	4	995	N	12	197	Y			N	1	101	N	1	239	N	85	13
PhysRevC.63.024001	2001	Y	1	1024	N	16	403	N	1	800	Y	2	2107	N			N			N	37	51
PhysRevA.65.022314	2002	N	2	578	Y	105	18	Y			N	4	1323	N			N	2	106	Y	1	1597
PhysRevB.65.165401	2002	N	4	256	Y	5	1075	Y			N	15	319	N			N	2	106	Y	1	1597
PhysRevD.66.106006	2002	N	1	1043	Y	1	2077	Y	55	21	N	2	2085	N			N			Y	151	2
PhysRevA.65.032314	2002	N	16	17	Y	582	1	Y	23	95	N	65	16	N			N	8	12	Y	5	650
PhysRevB.65.195104	2002	N	1	1043	Y	1	2077	Y			N			N			N			Y		

PACS		12			13			14			21			23			24			25			26		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevC.49.2950	1994	N	54	37	N	160	3	N	16	102	N	329	1	N	9	54	N	143	1	N	158	1	N	27	2
PhysRevD.49.2233	1994	N	212	2	N	133	5	N	5	330	N			N			N	129	2	N	147	2	N		
PhysRevD.49.3352	1994	N	168	4	N	109	7	N	4	394	N			N			N	105	3	N	108	3	N		
PhysRevC.52.R23	1995	Y			Y	1	834	N	1	755	Y	66	6	Y	16	22	Y	9	117	Y	5	363	Y	13	18
PhysRevLett.74.2626	1995	Y	245	2	Y	226	2	N	316	1	Y			Y			Y			Y			Y		
PhysRevLett.74.2632	1995	Y	197	4	Y	179	5	N	252	3	Y			Y			Y			Y			Y		
PhysRevLett.75.3969	1995	Y	4	663	Y	1	834	N	1	755	Y	9	158	Y			Y			Y	1	767	Y	3	81
PhysRevC.51.38	1995	Y	58	21	Y	194	3	N	24	74	Y	600	1	Y	22	12	Y	270	1	Y	321	1	Y	112	1
PhysRevA.52.3457	1995	Y	1	1080	Y			N			Y			Y			Y			Y			Y		
PhysRevA.52.R2493	1995	Y			Y			N			Y			Y			Y			Y			Y		
PhysRevLett.77.420	1996	N			N			N	1	757	N			N			N			N			N		
PhysRevB.54.9353	1996	N	2	904	N			N			N			N			N			N			N		
PhysRevB.54.11169	1996	N	1	1107	N			N	1	757	N	2	460	N			N	2	385	N	2	534	N		
PhysRevC.53.2086	1996	N	60	16	N	95	6	N	4	455	N	113	4	N	1	256	N	16	34	N	30	27	N	3	87
PhysRevD.56.3258	1997	N	31	89	N	1	896	N	9	276	N			N			N	1	544	N	6	252	N	1	153
PhysRevA.55.4318	1997	N			N			N			N			N			N			N			N		
PhysRevB.55.1142	1997	N	3	830	N			N			N	2	450	N			N	1	544	N	1	684	N		
PhysRevD.55.5112	1997	N	24	140	N			N	3	582	N	1	583	N			N			N			N		
PhysRevLett.78.2690	1997	N	1	1199	N			N			N			N			N	1	544	N	1	684	N	1	153
PhysRevB.58.R10096	1998	Y			Y			Y			N			N			N			Y			Y		
PhysRevC.58.1671	1998	Y	18	229	Y	7	427	Y	3	690	N	10	159	N			N	55	4	Y	175	1	Y		
PhysRevC.58.1804	1998	Y	24	164	Y	26	86	Y	4	600	N	174	1	N			N	45	7	Y	35	25	Y	143	1
PhysRevLett.81.1562	1998	Y	349	1	Y	259	1	Y	666	1	N	22	47	N	50	1	N	19	34	Y	50	9	Y	58	4
PhysRevA.57.120	1998	Y			Y			Y			N			N			N	4	268	Y			Y		
PhysRevD.59.084006	1999	N			N			N			Y			Y			Y			N			Y		
PhysRevLett.83.3370	1999	N	389	1	N	130	3	N	206	2	Y			Y	1	296	Y			N			N	3	120
PhysRevLett.83.4690	1999	N	194	3	N	60	19	N	93	6	Y			Y	1	296	Y			N			N	3	120
PhysRevD.62.064015	2000	N			N			N			N			N			N			N			N		
PhysRevLett.84.4184	2000	N	14	307	N			N			N			N			N			N			N		
PhysRevLett.85.3966	2000	N	7	597	N			N			N			N			N	1	579	N			N		
PhysRevA.62.062314	2000	N	2	1168	N			N	1	972	N			N			N			N			N		
PhysRevB.61.14095	2000	N			N			N			N			N			N			N			N		
PhysRevC.62.054311	2000	N	2	1168	N	8	312	N	1	972	N	124	3	N	11	36	N	14	71	N	17	86	N	2	147
PhysRevLett.84.3232	2000	N	5	735	N			N			N			N			N			N			N		
PhysRevLett.84.5102	2000	N	2	1168	N			N			N			N			N			N			N		
PhysRevB.63.245407	2001	Y			N			N			Y	1	676	Y			Y			Y			Y		
PhysRevD.63.114020	2001	Y	211	1	N	184	2	N	47	16	Y			Y			Y	4	278	Y	3	479	Y	1	240
PhysRevLett.87.071301	2001	Y	127	6	N	123	4	N	317	1	Y	15	108	Y	27	8	Y	8	148	Y	37	28	Y	82	1
PhysRevC.63.024001	2001	Y	47	50	N	96	8	N	28	60	Y	304	1	Y	37	6	Y	118	1	Y	167	2	Y	14	36
PhysRevA.65.022314	2002	N			Y			Y			N			N			N			N			N		
PhysRevB.65.165401	2002	N			Y			Y			N	1	699	N			N			N			N		
PhysRevD.66.106006	2002	N	32	76	Y	4	592	Y	7	346	N			N			N			N			N	2	164
PhysRevA.65.032314	2002	N	1	1483	Y			Y	1	1006	N			N			N	1	598	N			N		
PhysRevB.65.195104	2002	N	1	1483	Y			Y			N			N			N			N			N		

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doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevLett.89.011301	2002	N	1	1043	Y	5	1075	Y	6	376	N			N			N		
PhysRevC.66.064001	2002	N	2	578	Y	3	1367	Y			N	6	951	N			N		
PhysRevC.68.041001	2003	N	5	160	N	13	558	N			N	20	167	Y			N		
PhysRevA.68.022312	2003	N	3	324	N	213	8	N	1	781	N	19	179	Y			N		
PhysRevB.67.180401	2003	N			N			N			N			Y			N	1	211
PhysRevC.68.014313	2003	N			N			N			N			Y			N		
PhysRevD.68.046005	2003	N			N	2	1658	N	96	5	N			Y			N		
PhysRevD.69.103501	2004	N	5	163	Y	2	1872	Y	84	8	N	2	1977	N			Y		
PhysRevA.70.013603	2004	N	4	233	Y	194	11	Y			N	114	9	N	2	70	Y		
PhysRevB.71.014113	2005	Y			N			N			Y			N			N	1	227
PhysRevC.72.014904	2005	Y			N	1	2572	N			Y	2	2114	N			N		
PhysRevC.72.055502	2005	Y	3	332	N	2	2060	N	1	852	Y			N			N		
PhysRevA.71.052108	2005	Y	2	499	N	23	335	N			Y			N			N		
PhysRevB.71.045110	2005	Y	10	48	N	71	51	N	3	548	Y	53	27	N			N		
PhysRevC.71.055202	2005	Y			N			N			Y			N			N		
PhysRevB.73.125411	2006	N	1	866	N	12	623	Y	1	876	N	3	1522	Y			N	2	105
PhysRevC.74.044602	2006	N			N			Y			N			Y			N	1	221
PhysRevD.73.072003	2006	N			N			Y	5	415	N			Y	6	30	N		
PhysRevB.75.205418	2007	N			N	3	1668	N			N	3	1377	N			Y	1	209
PhysRevB.76.045302	2007	N	2	408	N	63	35	N			N	15	173	N			Y	2	95
PhysRevB.78.195424	2008	Y	5	117	Y	89	12	Y	3	658	N	26	53	N			N	1	230
PhysRevB.78.020503	2008	Y	1	791	Y			Y			N	1	2578	N			N		
PhysRevC.77.054002	2008	Y			Y	1	2686	Y			N	1	2578	N			N		
PhysRevA.79.053840	2009	N			N	1	2439	N			N			Y			N		
PhysRevB.80.245435	2009	N			N	1	2439	N			N			Y			N	1	205
PhysRevB.82.081101	2010	N	1	532	N			N			N			N			N		
PhysRevB.82.180520	2010	N	1	532	N	1	2526	N			N	1	2109	N			N		
PhysRevC.82.014903	2010	N	1	532	N	1	2526	N	1	866	N	1	2109	N			N		
PhysRevC.82.034330	2010	N	2	253	N	1	2526	N			N	7	313	N			N		
PhysRevC.82.035804	2010	N			N			N	1	866	N			N			N	1	174
PhysRevLett.105.136805	2010	N			N			N			N			N			N		
PhysRevA.84.025602	2011	N			N	38	27	N			N	20	35	N			N		
PhysRevB.83.195131	2011	N	1	419	N	1	2143	N			N			N			N		
PhysRevB.83.205101	2011	N	1	419	N	31	39	N	1	737	N	8	162	N			N		
PhysRevC.83.061303	2011	N			N			N			N			N			N		
PhysRevC.84.024617	2011	N			N			N			N			N			N		
PhysRevD.83.084019	2011	N			N			N	1	737	N			N			N		
PhysRevB.85.205302	2012	N			N			N			N			N			N		
PhysRevC.87.034303	2013	N			N			N			N			N			N		
PhysRevC.88.025501	2013	N			N			N			N			N			N		

PACS		11			12			13			14			21			23			24			25			26		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevLett.89.011301	2002	Y	118	4	N	178	3	Y	134	4	Y	394	2	N	22	57	N	43	2	N	9	117	N	43	23	N	63	1
PhysRevC.66.064001	2002	Y	4	787	N	10	428	Y	26	71	Y	1	1006	N	91	2	N	1	263	N	22	28	N	37	30	N	2	164
PhysRevC.68.041001	2003	N	21	84	N	28	120	N	70	12	N	6	349	N	231	2	N	21	12	Y	39	9	Y	56	20	N	10	49
PhysRevA.68.022312	2003	N			N			N			N			N			N			Y	3	344	Y			N		
PhysRevB.67.180401	2003	N			N			N			N			N			N			Y			Y			N		
PhysRevC.68.014313	2003	N	1	1436	N			N	5	488	N	2	720	N	14	104	N			Y	7	168	Y	21	71	N		
PhysRevD.68.046005	2003	N	206	1	N	72	17	N	7	356	N	31	46	N			N			Y			Y			N	1	215
PhysRevD.69.103501	2004	Y	26	75	N	39	65	N	17	124	N	82	5	Y	2	591	Y	8	68	N			N			N	6	63
PhysRevA.70.013603	2004	Y	2	1190	N			N			N			Y	3	483	Y			N			N			N		
PhysRevB.71.014113	2005	N			Y			Y			Y			N			N			Y			N			N		
PhysRevC.72.014904	2005	N	6	523	Y	38	54	Y	6	427	Y	2	889	N	3	437	N			Y	43	5	N	120	2	N		
PhysRevC.72.055502	2005	N	30	33	Y	39	51	Y	28	65	Y	125	5	N	5	298	N	12	24	Y	1	631	N	10	189	N	21	10
PhysRevA.71.052108	2005	N			Y			Y			Y			N			N			Y			N			N		
PhysRevB.71.045110	2005	N	24	57	Y	3	1139	Y			Y	1	1097	N			N			Y			N			N		
PhysRevC.71.055202	2005	N	16	129	Y	42	43	Y	75	11	Y	47	17	N	6	260	N			Y	12	83	N	32	40	N		
PhysRevB.73.125411	2006	N	8	341	N	1	1554	N			N			N			Y			N			N			N		
PhysRevC.74.044602	2006	N			N			N			N			N	40	6	Y	40	1	N	21	16	N	51	3	N	2	151
PhysRevD.73.072003	2006	N	28	29	N	121	2	N	58	4	N	84	1	N			Y	1	270	N			N	1	767	N	1	236
PhysRevB.75.205418	2007	N			N			N			N			N			N			Y	1	602	N			N		
PhysRevB.76.045302	2007	N	10	226	N	2	1197	N			N	1	1046	N			N			Y			N			N		
PhysRevB.78.195424	2008	Y	31	31	Y	9	442	N	1	1008	Y	5	500	N	2	538	N			N			N			N		
PhysRevB.78.020503	2008	Y			Y			N			Y			N			N			N			N	2	547	N		
PhysRevC.77.054002	2008	Y			Y	1	1694	N	1	1008	Y			N	2	538	N			N	1	542	N			N	1	229
PhysRevA.79.053840	2009	N			N			N			N			Y			Y			N			N			N		
PhysRevB.80.245435	2009	N			N			N			N			Y			Y			N			N			N		
PhysRevB.82.081101	2010	N			N	1	1454	N			N			N			N			N			N			N		
PhysRevB.82.180520	2010	N			N			N			N			N			N			N			N			N		
PhysRevC.82.014903	2010	N	1	1268	N	15	122	N	2	597	N			N			N			N	18	13	N	29	17	N		
PhysRevC.82.034330	2010	N			N	1	1454	N	3	446	N			N	35	8	N	4	73	N	5	129	N	3	373	N	1	178
PhysRevC.82.035804	2010	N			N			N			N			N	32	10	N	5	57	N	8	60	N	3	373	N	15	6
PhysRevLett.105.136805	2010	N	1	1268	N			N			N			N			N			N			N			N		
PhysRevA.84.025602	2011	N			N			N			Y			N			N			N			N			N		
PhysRevB.83.195131	2011	N			N			N			Y			N			N			N			N			N		
PhysRevB.83.205101	2011	N	8	102	N	1	1355	N			Y			N	1	568	N			N			N	1	614	N		
PhysRevC.83.061303	2011	N			N			N			Y			N	2	385	N	3	80	N	1	449	N	1	614	N		
PhysRevC.84.024617	2011	N	2	667	N	1	1355	N	7	128	Y	34	17	N	1	568	N	3	80	N	1	449	N	3	318	N	1	139
PhysRevD.83.084019	2011	N	6	173	N	3	740	N			Y	3	536	N			N			N			N			N		
PhysRevB.85.205302	2012	N			N			N			N			N			N			N			N			N		
PhysRevC.87.034303	2013	N			N			N			N			N			N			N			N	1	130	N	1	23
PhysRevC.88.025501	2013	N			N			N	2	78	N	2	130	N			N			N			N			N		

PACS		27			29			31			32			33		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	1985	Y			N			Y	13	29	N	1	439	N	2	124
PhysRevLett.55.48	1985	Y			N	2	23	Y			N	75	4	N	6	29
PhysRevB.34.5390	1986	N			N			N	61	4	N	3	315	N	17	4
PhysRevLett.56.930	1986	N			N			N	1	384	N	2	388	N	1	230
PhysRevLett.58.1490	1987	Y			N	2	30	N			N			Y		
PhysRevLett.58.1494	1987	Y			N	1	58	N			N			Y		
PhysRevC.35.2252	1987	Y	3	200	N			N			N			Y		
PhysRevC.36.2026	1987	Y	12	41	N			N	3	171	N			Y		
PhysRevLett.58.908	1987	Y			N			N	3	171	N			Y	3	86
PhysRevB.37.3759	1988	N			N			Y	6	104	Y			N	1	242
PhysRevC.38.1010	1988	N	18	14	N			Y	1	422	Y			N		
PhysRevLett.61.169	1988	N			N	2	32	Y			Y	101	4	N	6	37
PhysRevLett.61.2472	1988	N			N			Y	6	104	Y			N		
PhysRevLett.61.826	1988	N			N	1	62	Y			Y	155	1	N	6	37
PhysRevA.38.3098	1988	N			N			Y	269	1	Y	27	42	N	37	1
PhysRevB.37.785	1988	N	1	338	N			Y	219	2	Y	28	39	N	30	3
PhysRevB.38.6084	1988	N			N			Y	1	422	Y			N	2	132
PhysRevB.39.4828	1989	N			N			N	6	100	N			N		
PhysRevB.40.546	1989	N			N			N	2	292	N	47	16	N	2	142
PhysRevLett.63.1950	1989	N			N			N			N	10	132	N	2	142
PhysRevLett.64.1196	1990	Y			N			N			N	2	437	N	1	223
PhysRevLett.64.821	1990	Y			N			N			N			N		
PhysRevC.41.1147	1990	Y	116	1	N	11	3	N	3	201	N	4	288	N		
PhysRevLett.67.2295	1991	N			Y	1	70	N			N	20	71	N		
PhysRevLett.67.661	1991	N			Y			N	2	327	N	29	44	N	2	167
PhysRevA.45.8185	1992	N			N			Y			N	32	39	N	3	141
PhysRevLett.69.2863	1992	N	5	114	N			Y	17	30	N	3	412	N	2	206
PhysRevD.46.381	1992	N			N	1	59	Y			N	5	303	N		
PhysRevLett.68.557	1992	N			N			Y			N	3	412	N		
PhysRevD.48.R3427	1993	N			N			N			Y			Y		
PhysRevB.47.1651	1993	N			N			N	25	25	Y	2	574	Y	3	137
PhysRevB.48.10345	1993	N	5	120	N			N	11	67	Y	2	574	Y	2	192
PhysRevLett.70.1895	1993	N			N			N	1	544	Y	50	16	Y	6	69
PhysRevA.47.5138	1993	N			N			N			Y	30	52	Y	3	137
PhysRevB.47.12727	1993	N			N			N	1	544	Y			Y		
PhysRevB.48.7183	1993	N			N			N			Y			Y		
PhysRevC.48.2451	1993	N	1	334	N	1	84	N			Y			Y		
PhysRevC.48.792	1993	N	24	11	N	3	32	N	1	544	Y	1	753	Y		
PhysRevA.49.2117	1994	N			Y			N	39	9	N	417	1	N	134	1
PhysRevC.49.2950	1994	N	48	3	Y	2	56	N	8	78	N	1	733	N		
PhysRevD.49.2233	1994	N			Y			N			N			N		
PhysRevD.49.3352	1994	N			Y			N			N			N		

PACS	37			41			42			61			63		
doi	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	N	1	31	N	2	55	N	4	253	Y	191	4	Y	5	139
PhysRevLett.55.48	N	8	2	N			N	45	30	Y			Y		
PhysRevB.34.5390	N			N	1	90	N	23	75	N	59	17	N	12	38
PhysRevLett.56.930	N			N	4	30	N	12	137	N	101	6	N		
PhysRevLett.58.1490	N			Y			Y			N			N		
PhysRevLett.58.1494	N			Y			Y			N			N		
PhysRevC.35.2252	N			Y			Y			N			N		
PhysRevC.36.2026	N			Y			Y			N			N		
PhysRevLett.58.908	N			Y			Y	1	657	N	44	18	N	16	26
PhysRevB.37.3759	N			N			N	2	538	N	8	354	N	12	40
PhysRevC.38.1010	N			N			N			N			N		
PhysRevLett.61.169	N	12	4	N	1	87	N	65	13	N			N		
PhysRevLett.61.2472	N			N	2	54	N	7	264	N	54	19	N	2	341
PhysRevLett.61.826	N	18	1	N			N	142	3	N			N		
PhysRevA.38.3098	N	1	37	N			N	15	140	N	203	3	N	25	11
PhysRevB.37.785	N	1	37	N			N	23	81	N	210	2	N	21	18
PhysRevB.38.6084	N			N	1	87	N			N	34	40	N		
PhysRevB.39.4828	Y			N			N	2	555	N	22	90	Y		
PhysRevB.40.546	Y	79	1	N			N	79	18	N	24	77	Y	5	155
PhysRevLett.63.1950	Y			N	34	2	N	81	17	N	10	268	Y	7	104
PhysRevLett.64.1196	N			N	2	63	N	73	19	N	1	1511	N		
PhysRevLett.64.821	N			N			N	78	18	N	2	1102	N		
PhysRevC.41.1147	N			N			N	1	909	N			N		
PhysRevLett.67.2295	N			N	50	2	N	152	5	N	4	766	N	3	241
PhysRevLett.67.661	N	3	19	N			N	391	2	N			N	1	555
PhysRevA.45.8185	N	15	3	Y	31	3	N	256	2	N	6	589	N		
PhysRevLett.69.2863	N	16	2	Y			N	13	203	N	11	291	N	13	44
PhysRevD.46.381	N			Y			N	1	1078	N			N		
PhysRevLett.68.557	N			Y			N	64	33	N			N		
PhysRevD.48.R3427	Y			N			Y	1	1166	Y			Y		
PhysRevB.47.1651	Y			N			Y	11	286	Y	64	9	Y	46	5
PhysRevB.48.10345	Y	7	13	N			Y	9	346	Y	4	930	Y	9	77
PhysRevLett.70.1895	Y	5	18	N			Y	591	2	Y			Y	2	420
PhysRevA.47.5138	Y	19	3	N	1	180	Y	171	5	Y			Y		
PhysRevB.47.12727	Y			N			Y	1	1166	Y	8	467	Y	16	38
PhysRevB.48.7183	Y			N			Y	1	1166	Y	5	774	Y		
PhysRevC.48.2451	Y			N			Y			Y			Y		
PhysRevC.48.792	Y			N			Y			Y			Y		
PhysRevA.49.2117	N	5	10	N	13	17	N	538	1	N			N		
PhysRevC.49.2950	N			N			N			N	1	1874	N		
PhysRevD.49.2233	N			N			N	1	1239	N			N		
PhysRevD.49.3352	N			N			N	1	1239	N			N		

PACS	64			67			68			71			72		
doi	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	N	2	682	N			N	456	1	Y	178	6	Y	62	10
PhysRevLett.55.48	N			N	4	88	N			Y	1	1494	Y		
PhysRevB.34.5390	Y	8	276	N	1	223	Y	40	35	N	630	1	N	43	15
PhysRevLett.56.930	Y	4	481	N	2	147	Y	153	5	N	19	182	N	3	483
PhysRevLett.58.1490	N			N			N			N			N		
PhysRevLett.58.1494	N			N			N			N			N		
PhysRevC.35.2252	N			N			N			N			N		
PhysRevC.36.2026	N			N			N			N	2	1321	N		
PhysRevLett.58.908	N	12	168	N	2	137	N	9	249	N	62	28	N	24	47
PhysRevB.37.3759	N	11	169	N	5	86	N	4	483	N	527	1	Y	46	20
PhysRevC.38.1010	N	5	412	N	1	233	N			N	1	1931	Y		
PhysRevLett.61.169	N			N	3	129	N	1	979	N			Y	1	926
PhysRevLett.61.2472	N	14	118	N			N	81	8	N	98	17	Y	324	1
PhysRevLett.61.826	N	4	482	N	9	51	N			N	1	1931	Y		
PhysRevA.38.3098	N	34	26	N	2	165	N	90	5	N	425	2	Y	29	48
PhysRevB.37.785	N	33	30	N	2	165	N	110	4	N	322	3	Y	28	52
PhysRevB.38.6084	N	1	1042	N			N	77	9	N	23	174	Y	5	350
PhysRevB.39.4828	Y	7	303	Y			N	37	30	N	46	70	N	160	1
PhysRevB.40.546	Y	152	3	Y	362	1	N	13	162	N	176	12	N	48	19
PhysRevLett.63.1950	Y			Y			N	1	1092	N	34	108	N	2	705
PhysRevLett.64.1196	N	9	235	N			Y	1	1089	Y			N	3	563
PhysRevLett.64.821	N	11	175	N			Y			Y	2	1593	N		
PhysRevC.41.1147	N			N			Y			Y			N		
PhysRevLett.67.2295	N			N	2	149	N	1	1111	N	25	165	N	8	263
PhysRevLett.67.661	N	7	300	N	1	247	N	2	849	N	6	844	N	2	768
PhysRevA.45.8185	Y			Y	1	276	N			Y	2	1842	Y	1	1113
PhysRevLett.69.2863	Y	96	3	Y	75	1	N	20	111	Y	513	4	Y	68	12
PhysRevD.46.381	Y			Y			N			Y			Y		
PhysRevLett.68.557	Y			Y			N			Y	1	2349	Y		
PhysRevD.48.R3427	N			N			Y			N			N		
PhysRevB.47.1651	N	7	371	N	3	132	Y	17	136	N	246	7	N	18	99
PhysRevB.48.10345	N	60	7	N	40	4	Y	16	149	N	343	3	N	53	16
PhysRevLett.70.1895	N	10	225	N	2	192	Y	3	805	N	18	297	N	4	509
PhysRevA.47.5138	N	4	594	N	11	30	Y			N	6	961	N	1	1243
PhysRevB.47.12727	N			N			Y	10	278	N	38	101	N	78	9
PhysRevB.48.7183	N	47	12	N	3	132	Y	1	1410	N	348	2	N	85	8
PhysRevC.48.2451	N			N	1	302	Y			N			N		
PhysRevC.48.792	N	2	968	N	2	192	Y			N			N		
PhysRevA.49.2117	N	1	1242	N			N			N	3	1507	N	2	845
PhysRevC.49.2950	N	2	885	N	3	97	N			N			N		
PhysRevD.49.2233	N			N			N			N			N		
PhysRevD.49.3352	N			N			N			N			N		

PACS		27			29			31			32			33			37			41			42		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevC.52.R23	1995	Y	28	12	N			N			Y	2	650	Y			Y			N			N	1	1286
PhysRevLett.74.2626	1995	Y			N			N			Y			Y			Y			N			N		
PhysRevLett.74.2632	1995	Y			N			N			Y			Y			Y			N			N		
PhysRevLett.75.3969	1995	Y			N	2	49	N	37	4	Y	456	1	Y	37	7	Y	59	2	N	6	50	N	268	3
PhysRevC.51.38	1995	Y	117	1	N	4	23	N	23	23	Y			Y			Y	1	105	N			N	1	1286
PhysRevA.52.3457	1995	Y			N			N	2	385	Y	39	31	Y	5	89	Y	8	22	N	1	206	N	86	24
PhysRevA.52.R2493	1995	Y			N			N	2	385	Y	20	96	Y	6	77	Y	1	105	N			N	104	18
PhysRevLett.77.420	1996	N			N			Y	6	132	N	77	7	N	5	95	N	3	34	Y	1	241	Y	26	134
PhysRevB.54.9353	1996	N			N			Y			N			N			N			Y			Y		
PhysRevB.54.11169	1996	N			N	3	35	Y	246	2	N	11	213	N	13	30	N	1	103	Y	2	152	Y	6	589
PhysRevC.53.2086	1996	N	9	96	N			Y	3	260	N			N			N			Y			Y		
PhysRevD.56.3258	1997	N			N			N			N			N			N			N			N		
PhysRevA.55.4318	1997	N			N			N	3	241	N	49	12	N	2	199	N	16	7	N			N	80	16
PhysRevB.55.1142	1997	N			N			N			N			N			N	1	116	N			N	3	899
PhysRevD.55.5112	1997	N			N			N			N			N			N			N			N		
PhysRevLett.78.2690	1997	N			N			N	2	327	N			N			N	4	34	N			N	3	899
PhysRevB.58.R10096	1998	N			Y			N			N			N			N			Y	34	1	N	101	15
PhysRevC.58.1671	1998	N			Y	1	111	N			N			N			N			Y	1	262	N		
PhysRevC.58.1804	1998	N	4	208	Y	1	111	N	1	562	N			N			N			Y			N		
PhysRevLett.81.1562	1998	N	7	122	Y	10	12	N	4	190	N			N	1	398	N			Y	1	262	N		
PhysRevA.57.120	1998	N			Y			N	16	25	N	28	54	N	7	70	N	6	33	Y			N	115	11
PhysRevD.59.084006	1999	Y			N			Y			Y			N			Y			N			N		
PhysRevLett.83.3370	1999	Y			N	1	93	Y	1	573	Y			N			Y	1	184	N			N	1	1562
PhysRevLett.83.4690	1999	Y			N			Y	1	573	Y			N			Y			N			N	1	1562
PhysRevD.62.064015	2000	N			Y			N			N			Y			N			Y			Y		
PhysRevLett.84.4184	2000	N			Y			N	5	135	N	6	317	Y	5	104	N	2	121	Y	209	2	Y	303	5
PhysRevLett.85.3966	2000	N			Y			N	4	176	N	9	216	Y	6	91	N	3	89	Y	283	1	Y	536	1
PhysRevA.62.062314	2000	N			Y			N	2	350	N	6	317	Y	1	373	N	3	89	Y			Y	127	12
PhysRevB.61.14095	2000	N			Y			N			N			Y			N			Y			Y	2	1280
PhysRevC.62.054311	2000	N	53	5	Y			N	14	30	N			Y			N			Y			Y		
PhysRevLett.84.3232	2000	N			Y			N	5	135	N	6	317	Y			N			Y	2	197	Y	10	407
PhysRevLett.84.5102	2000	N			Y			N	2	350	N	29	39	Y	6	91	N	8	32	Y			Y	45	55
PhysRevB.63.245407	2001	Y			N			N	15	31	N			N			N			N	2	163	N		
PhysRevD.63.114020	2001	Y			N	1	111	N	1	537	N			N			N			N			N		
PhysRevLett.87.071301	2001	Y	13	65	N	4	33	N			N			N			N			N	1	268	N		
PhysRevC.63.024001	2001	Y	99	2	N	3	42	N	6	114	N			N			N			N			N		
PhysRevA.65.022314	2002	N			Y	1	143	Y	2	339	N	78	1	Y	2	232	N	3	96	N	1	295	Y	206	2
PhysRevB.65.165401	2002	N			Y			Y	20	11	N			Y	1	383	N			N	3	123	Y		
PhysRevD.66.106006	2002	N			Y			Y			N			Y			N			N			Y		
PhysRevA.65.032314	2002	N			Y			Y	1	566	N	8	224	Y	1	383	N	20	7	N			Y	204	3
PhysRevB.65.195104	2002	N			Y			Y			N			Y	1	383	N			N	89	1	Y	120	5
PhysRevLett.89.011301	2002	N	17	32	Y	8	15	Y	1	566	N	1	936	Y	1	383	N			N	1	295	Y		

PACS		61			63			64			67			68			71			72		
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PhysRevC.52.R23	1995	N			N			Y			N			N			N	2	1945	N		
PhysRevLett.74.2626	1995	N			N			Y			N			N			N			N		
PhysRevLett.74.2632	1995	N			N			Y			N			N			N			N		
PhysRevLett.75.3969	1995	N	5	719	N	2	348	Y	41	12	N	281	1	N	7	329	N	71	29	N	3	642
PhysRevC.51.38	1995	N	3	1090	N			Y	11	199	N	2	183	N			N			N		
PhysRevA.52.3457	1995	N			N			Y	1	1329	N	1	272	N	2	937	N	14	420	N	4	508
PhysRevA.52.R2493	1995	N			N	1	573	Y	3	755	N	4	98	N			N	7	816	N	3	642
PhysRevLett.77.420	1996	Y			Y			N	2	946	Y	105	2	Y			Y	8	784	Y	1	1299
PhysRevB.54.9353	1996	Y	4	825	Y	1	607	N			Y	5	99	Y	10	229	Y	18	315	Y	311	1
PhysRevB.54.11169	1996	Y	1427	2	Y	345	2	N	340	2	Y	13	47	Y	1103	2	Y	1860	2	Y	205	3
PhysRevC.53.2086	1996	Y			Y			N			Y			Y			Y			Y		
PhysRevD.56.3258	1997	N			N			N	3	679	N	1	301	N			N			N		
PhysRevA.55.4318	1997	N			N			N	6	359	N	32	12	N	1	1282	N	13	438	N	4	528
PhysRevB.55.1142	1997	N	1	1955	N	3	237	N	13	116	N	3	161	N	3	677	N	67	35	N	81	6
PhysRevD.55.5112	1997	N			N			N	1	1337	N	1	301	N			N	1	2680	N		
PhysRevLett.78.2690	1997	N	8	381	N	1	563	N	12	131	N	1	301	N	5	458	N	3	1705	N	7	295
PhysRevB.58.R10096	1998	Y	3	1125	Y	3	281	Y			Y			N	1	1383	Y	3	1663	N		
PhysRevC.58.1671	1998	Y			Y			Y			Y			N			Y			N		
PhysRevC.58.1804	1998	Y	1	2020	Y			Y	6	342	Y	1	377	N			Y	2	2065	N		
PhysRevLett.81.1562	1998	Y	1	2020	Y			Y			Y			N			Y			N		
PhysRevA.57.120	1998	Y	14	162	Y	29	8	Y	3	726	Y	3	203	N	24	57	Y	289	3	N	230	1
PhysRevD.59.084006	1999	N			N			N			N			Y			N			N		
PhysRevLett.83.3370	1999	N	1	1968	N			N			N	2	257	Y	1	1411	N	2	2142	N	1	1291
PhysRevLett.83.4690	1999	N			N			N			N			Y	1	1411	N			N	1	1291
PhysRevD.62.064015	2000	N			N			Y			N			N			N			Y		
PhysRevLett.84.4184	2000	N	1	2099	N	11	48	Y			N			N	3	714	N	6	1078	Y	10	211
PhysRevLett.85.3966	2000	N	5	712	N	19	21	Y	3	668	N			N	10	191	N	22	199	Y	8	269
PhysRevA.62.062314	2000	N			N	1	636	Y	6	313	N			N	2	967	N	8	803	Y		
PhysRevB.61.14095	2000	N	21	60	N	25	9	Y	1	1363	N			N	8	270	N	10	642	Y	2	902
PhysRevC.62.054311	2000	N			N			Y			N	1	379	N			N	1	2971	Y		
PhysRevLett.84.3232	2000	N			N			Y			N			N			N			Y		
PhysRevLett.84.5102	2000	N			N	1	636	Y			N			N			N	1	2971	Y		
PhysRevB.63.245407	2001	N	8	305	Y	8	92	N			Y			N	19	55	Y	77	19	N	102	2
PhysRevD.63.114020	2001	N			Y			N			Y			N			Y			N		
PhysRevLett.87.071301	2001	N			Y			N			Y			N			Y			N		
PhysRevC.63.024001	2001	N			Y			N			Y	1	422	N			Y			N		
PhysRevA.65.022314	2002	N			N			N			N	2	301	N			N	7	858	N	1	1348
PhysRevB.65.165401	2002	N	21	41	N	12	30	N			N			N	39	5	N	115	3	N	131	1
PhysRevD.66.106006	2002	N			N			N			N			N			N			N		
PhysRevA.65.032314	2002	N			N	3	261	N	7	242	N	6	151	N			N	10	550	N	2	902
PhysRevB.65.195104	2002	N			N	2	369	N			N			N			N	3	1770	N	2	902
PhysRevLett.89.011301	2002	N	1	1917	N			N			N			N			N			N		

PACS		27			29			31			32			33			37			41			42			61			63			64			67			68			71			72		
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PhysRevC.66.064001	2002	N	15	40	Y			Y	6	101	N			Y			N			N			Y			N			N			N			N	2	301	N			N			N		
PhysRevC.68.041001	2003	N	58	2	N	1	118	N	12	29	N			N			N			N			N			N			N			N			N	2	307	N			N	3	1716	N		
PhysRevA.68.022312	2003	N			N			N	2	308	N	3	464	N	2	206	N	3	127	N			N	53	31	N			N			N	6	238	N	3	248	N			N	5	1182	N		
PhysRevB.67.180401	2003	N			N			N			N			N			N			N			N	1	1769	N	11	133	N	2	292	N	5	298	N			N	2	840	N	8	713	N	3	681
PhysRevC.68.014313	2003	N			N	1	118	N			N			N			N			N			N			N			N			N			N			N			N			N		
PhysRevD.68.046005	2003	N			N			N			N			N			N			N			N			N			N			N			N			N			N			N		
PhysRevD.69.103501	2004	Y	1	412	N	1	147	N			Y			N			N			Y	1	339	N	2	1520	N			Y			Y			N			Y			N			N		
PhysRevA.70.013603	2004	Y			N			N	1	577	Y	14	78	N	1	366	N	19	7	Y			N	26	121	N	2	1179	Y			Y	8	153	N	88	5	Y	2	809	N	54	30	N	3	699
PhysRevB.71.014113	2005	N			Y			Y	1	577	N			Y			N			N			Y	1	2094	N	9	152	N	2	351	N	3	527	N			N	5	322	Y	29	83	Y	4	660
PhysRevC.72.014904	2005	N			Y	1	140	Y			N			Y			N			N			Y			N			N			N			N			N			Y			Y		
PhysRevC.72.055502	2005	N	3	212	Y	6	19	Y			N			Y			N			N	1	333	Y			N			N			N			N			N			Y			Y		
PhysRevA.71.052108	2005	N			Y			Y			N			Y			N			N			Y	4	1062	N			N			N			N			N			Y			Y		
PhysRevB.71.045110	2005	N			Y			Y			N			Y			N	3	191	N			Y			N	1	1777	N			N	16	29	N	3	328	N			Y	49	27	Y		
PhysRevC.71.055202	2005	N	3	212	Y			Y	1	577	N			Y			N			N			Y			N			N			N			N			N			Y			Y		
PhysRevB.73.125411	2006	Y			N			N			N	1	821	N			N	1	415	N			N	3	1178	N	10	98	N	7	62	N			N			N	14	33	N	142	5	N	128	1
PhysRevC.74.044602	2006	Y	60	2	N	1	138	N	5	120	N	1	821	N			N			N			N			N			N			N			N			N			N			N		
PhysRevD.73.072003	2006	Y			N			N	1	577	N			N	1	325	N			N	1	317	N			N			N			N			N			N			N			N		
PhysRevB.75.205418	2007	N			N			N	5	121	N	1	707	N	2	198	N			N	7	41	N	16	186	N	1	1385	N	15	10	N			N	2	489	N	6	157	N	98	5	N	76	10
PhysRevB.76.045302	2007	N			N			N	2	331	N	1	707	N			N	6	111	N	2	158	N	6	630	N	16	20	N	12	21	N	8	101	N	8	158	N	15	29	N	213	2	N	133	2
PhysRevB.78.195424	2008	N			N			Y	1	590	N	1	647	N	1	327	Y	6	118	N	6	45	N	9	359	Y	7	153	Y	6	75	Y	16	20	Y	7	227	N	11	45	Y	179	4	N	102	2
PhysRevB.78.020503	2008	N			N			Y			N			N			Y			N			N			Y	39	4	Y	9	36	Y	5	194	Y			N	8	80	Y	68	17	N	15	107
PhysRevC.77.054002	2008	N			N			Y			N			N			Y			N			N			Y			Y			Y			Y	1	744	N			Y			N		
PhysRevA.79.053840	2009	N			Y			N			N			N			N			Y			N	11	208	N			N			N			N			N			N			N		
PhysRevB.80.245435	2009	N			Y			N	1	553	N			N	1	287	N			Y	3	103	N	14	141	N			N	1	451	N			N			N			N	13	234	N	4	501
PhysRevB.82.081101	2010	N			N			N	10	12	N			N	2	154	N			N			N			N	12	9	N	8	14	N	3	237	Y	3	407	N	23	3	N	37	22	N	1	1253
PhysRevB.82.180520	2010	N			N	1	94	N			N			N			N			N			N			N	8	29	N	7	17	N	5	99	Y			N	2	337	N	37	22	N	3	559
PhysRevC.82.014903	2010	N			N			N			N			N			N			N			N			N			N			N			Y			N			N			N		
PhysRevC.82.034330	2010	N	7	47	N			N	7	28	N			N			N			N			N			N			N			N			Y			N			N	2	1668	N		
PhysRevC.82.035804	2010	N	5	77	N	1	94	N			N			N			N			N			N			N			N			N			Y			N			N	1	2497	N		
PhysRevLett.105.136805	2010	N			N			N	4	86	N			N			N			N			N	2	1252	N	7	48	N	15	3	N			Y			N	10	19	N	40	15	N	10	98
PhysRevA.84.025602	2011	N			Y			N			N			N			N	5	63	N			N			N			N			N	3	119	N	31	17	N			N	11	142	N		
PhysRevB.83.195131	2011	N			Y			N	9	8	N			N			N			N			N	1	1391	N	7	21	N	6	17	N	3	119	N			N	17	3	N	27	28	N	1	1002
PhysRevB.83.205101	2011	N			Y			N	2	181	N			N			N	3	133	N			N			N	9	9	N			N	3	119	N	5	220	N			N	90	3	N	22	3
PhysRevC.83.061303	2011	N	2	183	Y			N			N			N			N			N			N			N			N			N			N			N			N			N		
PhysRevC.84.024617	2011	N			Y	2	41	N			N			N			N			N			N			N			N			N			N			N			N			N		
PhysRevD.83.084019	2011	N			Y			N			N			N			N			N			N			N			N			N			N			N			N	1	2075	N		
PhysRevB.85.205302	2012	N			N			N			N			N			N			N			N			N	1	271	N	4	10	N			N			N	2	73	N	15	27	N	4	85
PhysRevC.87.034303	2013	N	1	50	N			N			N			N			N			N			N			N			N			N			N			N			N			N		
PhysRevC.88.025501	2013	N			N			N			N			N			N			N			N			N			N			N			N			N			N			N		

PACS		73			74			75			76			77			78			81			82		
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PhysRevB.31.805	1985	Y	405	2	N	30	36	N	37	38	Y			N	2	91	Y	10	172	N	50	3	Y	30	14
PhysRevLett.55.48	1985	Y			N			N			Y	1	319	N			Y	1	983	N			Y	1	473
PhysRevB.34.5390	1986	N	222	2	N	10	99	N	25	74	N	1	333	Y	22	5	N	218	1	Y	21	21	N	7	73
PhysRevLett.56.930	1986	N	40	45	N	2	327	N	7	277	N	4	89	Y	7	23	N	7	261	Y	39	5	N	14	40
PhysRevLett.58.1490	1987	N			N			N			N			N			N			N			N		
PhysRevLett.58.1494	1987	N			N			N			N			N			N			N			N		
PhysRevC.35.2252	1987	N			N			N			N			N			N			N			N		
PhysRevC.36.2026	1987	N	1	1193	N			N			N			N			N			N			N		
PhysRevLett.58.908	1987	N	13	251	N	379	2	N	78	25	N	17	15	N	2	85	N	40	27	N	13	27	N	3	217
PhysRevB.37.3759	1988	N	26	135	N	687	1	N	414	2	N	45	4	N	1	173	Y	112	6	N	4	132	Y	2	318
PhysRevC.38.1010	1988	N			N	2	830	N	1	1096	N			N			Y			N			Y	1	543
PhysRevLett.61.169	1988	N			N			N			N			N			Y	1	1334	N			Y	2	318
PhysRevLett.61.2472	1988	N	352	5	N	33	141	N	773	1	N	35	5	N	8	16	Y	48	27	N	39	5	Y	3	221
PhysRevLett.61.826	1988	N			N			N	1	1096	N			N			Y	2	972	N	1	438	Y		
PhysRevA.38.3098	1988	N	119	10	N	19	246	N	58	59	N	17	22	N	9	14	Y	69	16	N	46	4	Y	67	2
PhysRevB.37.785	1988	N	104	14	N	23	202	N	39	88	N	18	19	N	16	7	Y	84	12	N	48	3	Y	56	5
PhysRevB.38.6084	1988	N	53	46	N			N	2	819	N	3	179	N	3	56	Y	18	133	N	38	7	Y	21	16
PhysRevB.39.4828	1989	N	163	5	Y	22	231	Y	356	2	Y	16	21	N	1	172	N	20	102	N	15	29	N		
PhysRevB.40.546	1989	N	114	19	Y	235	11	Y	164	12	Y	6	87	N	2	99	N	7	379	N			N	1	545
PhysRevLett.63.1950	1989	N	7	517	Y			Y	3	739	Y			N	3	67	N	35	38	N	5	116	N	1	545
PhysRevLett.64.1196	1990	Y	1	1503	N	7	553	N	7	475	N	3	182	Y			Y			N	1	487	Y	30	14
PhysRevLett.64.821	1990	Y	1	1503	N	1	1141	N	2	961	N			Y			Y			N	2	286	Y	16	37
PhysRevC.41.1147	1990	Y			N			N			N			Y			Y			N			Y	1	594
PhysRevLett.67.2295	1991	N	5	736	Y	1	1230	N	4	693	Y			N	7	26	N	47	20	N	10	52	N	6	122
PhysRevLett.67.661	1991	N	15	272	Y	3	866	N	18	221	Y	3	179	N			N	26	64	N	2	351	N	1	619
PhysRevA.45.8185	1992	N	3	1123	N			Y			N	1	414	N			Y	18	150	N	1	649	N	5	185
PhysRevLett.69.2863	1992	N	115	22	N	117	13	Y	636	1	N	12	26	N	4	49	Y	41	39	N	1	649	N	3	339
PhysRevD.46.381	1992	N			N			Y			N			N			Y			N			N		
PhysRevLett.68.557	1992	N	1	1790	N			Y			N			N			Y	3	892	N			N		
PhysRevD.48.R3427	1993	Y			N			N			Y			N			N			N			Y		
PhysRevB.47.1651	1993	Y	78	30	N	7	569	N	105	16	Y	1	460	N	297	1	N	67	13	N	15	39	Y	3	341
PhysRevB.48.10345	1993	Y	77	34	N	93	20	N	407	2	Y	8	65	N	2	126	N	30	46	N			Y	3	341
PhysRevLett.70.1895	1993	Y	43	94	N	9	478	N	57	34	Y	8	65	N			N	20	104	N	2	444	Y	1	796
PhysRevA.47.5138	1993	Y	6	755	N	2	1090	N	11	341	Y	4	138	N			N	2	1219	N	1	726	Y		
PhysRevB.47.12727	1993	Y	55	69	N	3	922	N	2	1191	Y			N			N	4	724	N	6	133	Y		
PhysRevB.48.7183	1993	Y	41	101	N	106	17	N	294	6	Y	17	19	N	1	222	N	5	609	N	2	444	Y		
PhysRevC.48.2451	1993	Y			N			N			Y			N			N			N			Y		
PhysRevC.48.792	1993	Y			N			N			Y			N			N			N			Y		
PhysRevA.49.2117	1994	N	6	700	Y			N	1	1583	N			Y			N	22	93	Y	1	696	N	5	192
PhysRevC.49.2950	1994	N			Y			N			N			Y			N			Y			N		
PhysRevD.49.2233	1994	N			Y			N			N			Y			N			Y			N		
PhysRevD.49.3352	1994	N			Y			N			N			Y			N			Y			N		

PACS		84			85			87			89			95			96			97			98		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevB.31.805	1985	Y			Y	12	12	N	6	20	N			N			N			N			Y		
PhysRevLett.55.48	1985	Y			Y			N	1	108	N			N			N			N			Y		
PhysRevB.34.5390	1986	N			N	9	9	N			N			N			Y			N			N		
PhysRevLett.56.930	1986	N			N	7	14	N	31	7	N	1	55	N			Y			N			N		
PhysRevLett.58.1490	1987	Y			N			N			N			N	76	1	N	36	1	Y	136	1	N	32	13
PhysRevLett.58.1494	1987	Y			N			N			N			N	66	2	N	28	3	Y	125	2	N	26	17
PhysRevC.35.2252	1987	Y			N			N			N			N			N	1	67	Y	1	107	N	1	177
PhysRevC.36.2026	1987	Y			N			N			N			N			N			Y	1	107	N		
PhysRevLett.58.908	1987	Y			N	2	84	N			N			N			N			Y			N		
PhysRevB.37.3759	1988	N			N	1	183	N			N			Y			Y			N			N		
PhysRevC.38.1010	1988	N			N			N			N			Y	19	15	Y			N	60	1	N	5	85
PhysRevLett.61.169	1988	N			N			N			N			Y	1	151	Y			N			N		
PhysRevLett.61.2472	1988	N	2	23	N	100	1	N	1	151	N			Y			Y			N			N		
PhysRevLett.61.826	1988	N			N			N	1	151	N			Y			Y			N			N		
PhysRevA.38.3098	1988	N	3	11	N	17	9	N	17	10	N	2	47	Y			Y			N			N		
PhysRevB.37.785	1988	N	2	23	N	10	17	N	18	8	N	2	47	Y			Y			N			N		
PhysRevB.38.6084	1988	N			N	3	75	N			N			Y			Y			N			N		
PhysRevB.39.4828	1989	N	1	56	N	50	2	N			Y			N			N			N			N		
PhysRevB.40.546	1989	N			N	6	35	N	2	105	Y	1	82	N			N			N			N		
PhysRevLett.63.1950	1989	N	18	1	N	3	84	N	1	168	Y			N	1	147	N			N			N		
PhysRevLett.64.1196	1990	Y	14	4	N	4	70	Y	45	3	N	14	4	N	3	78	N			N			Y		
PhysRevLett.64.821	1990	Y	30	1	N	1	230	Y	39	5	N	36	1	N	4	63	N			N			Y		
PhysRevC.41.1147	1990	Y			N			Y			N			N	2	101	N			N			Y		
PhysRevLett.67.2295	1991	N	22	1	N	1	256	N	1	166	N			N			Y			N			N		
PhysRevLett.67.661	1991	N	1	55	N	11	15	N	1	166	N	83	1	N	2	111	Y			N			N		
PhysRevA.45.8185	1992	N	1	62	N			N	13	20	N			N	4	81	N	1	78	N	1	139	Y		
PhysRevLett.69.2863	1992	N	1	62	N	7	44	N	3	102	N	11	12	N	1	207	N			N			Y		
PhysRevD.46.381	1992	N			N			N			N			N	18	12	N			N			Y	2	238
PhysRevLett.68.557	1992	N	1	62	N	2	159	N			N	40	4	N			N			N			Y		
PhysRevD.48.R3427	1993	Y			N			Y			Y			N	6	60	N			Y	17	15	N	12	69
PhysRevB.47.1651	1993	Y			N	12	17	Y			Y			N			N			Y			N		
PhysRevB.48.10345	1993	Y	1	78	N	3	108	Y	4	94	Y	6	31	N	1	221	N			Y			N		
PhysRevLett.70.1895	1993	Y	3	26	N	18	7	Y			Y	107	2	N	2	155	N			Y	1	163	N		
PhysRevA.47.5138	1993	Y			N	1	323	Y			Y	1	160	N	1	221	N			Y			N		
PhysRevB.47.12727	1993	Y	5	15	N	13	13	Y	1	253	Y			N			N			Y			N		
PhysRevB.48.7183	1993	Y			N			Y	1	253	Y	2	92	N			N			Y			N		
PhysRevC.48.2451	1993	Y			N			Y			Y			N			N			Y			N		
PhysRevC.48.792	1993	Y			N			Y			Y			N	2	155	N			Y	2	115	N	1	341
PhysRevA.49.2117	1994	N			N			N			N			N			N			N			Y		
PhysRevC.49.2950	1994	N			N			N			N			N	5	87	N			N	2	100	Y		
PhysRevD.49.2233	1994	N			N			N			N			N	2	165	N	2	31	N			Y	1	348
PhysRevD.49.3352	1994	N			N			N			N			N	1	258	N	1	59	N			Y	1	348

PACS		73			74			75			76			77			78			81			82			84			85			87			89			95			96			97			98		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevC.52.R23	1995	N			N	1	1372	N			N			N			N			N			N	1	890	N			N			N			N			Y	1	283	Y			Y	3	82	N	1	394
PhysRevLett.74.2626	1995	N			N			N			N			N			N			N			N			N			N			N	1	340	N			Y	2	198	Y	1	66	Y			N	1	394
PhysRevLett.74.2632	1995	N			N			N			N			N			N			N			N			N			N			N	1	340	N			Y	2	198	Y	1	66	Y			N		
PhysRevLett.75.3969	1995	N	28	144	N	33	119	N	9	478	N	1	450	N	1	260	N	26	76	N	2	448	N	7	137	N			N	4	110	N	2	213	N	2	132	Y	3	151	Y			Y	1	156	N	6	155
PhysRevC.51.38	1995	N			N	3	933	N			N			N			N			N			N			N			N			N			N			Y	5	106	Y	1	66	Y	30	8	N	2	300
PhysRevA.52.3457	1995	N	35	106	N	6	618	N	13	336	N	18	17	N	1	260	N	14	188	N	1	728	N	7	137	N	2	39	N	38	5	N	1	340	N	62	4	Y			Y			Y			N		
PhysRevA.52.R2493	1995	N	27	152	N	9	447	N	22	165	N	18	17	N	1	260	N	5	574	N			N	7	137	N	1	70	N	22	14	N			N	98	1	Y			Y			Y			N		
PhysRevLett.77.420	1996	Y	1	2024	Y	3	942	Y	2	1383	Y			Y	1	241	Y	4	771	Y			Y			Y			Y			Y			Y			N			N			N			N		
PhysRevB.54.9353	1996	Y	124	10	Y	18	267	Y	465	3	Y	77	2	Y			Y	19	142	Y	4	270	Y	2	538	Y	3	24	Y	229	1	Y			Y			N			N			N			N		
PhysRevB.54.11169	1996	Y	928	2	Y	150	6	Y	705	2	Y	32	4	Y	240	1	Y	258	2	Y	446	2	Y	233	2	Y	25	2	Y	74	3	Y	14	51	Y	2	171	N	1	295	N	9	16	N			N		
PhysRevC.53.2086	1996	Y			Y			Y			Y			Y			Y			Y			Y			Y			Y			Y			Y			N			N			N			N		
PhysRevD.56.3258	1997	N			N			N			N			N			N			N			N			N			N			N			N			N	29	13	N			N	4	61	Y	286	1
PhysRevA.55.4318	1997	N	8	548	N	37	89	N	3	1155	N	1	520	N			N			N	2	451	N			N			N	1	384	N	1	371	N	1	280	N			N			N			Y	1	436
PhysRevB.55.1142	1997	N	134	9	N	108	12	N	24	209	N			N			N			N	2	451	N			N			N	5	109	N	1	371	N	1	280	N			N			N			Y	2	327
PhysRevD.55.5112	1997	N	1	1986	N			N	1	1769	N			N			N			N			N			N			N			N	1	371	N	1	280	N	1	309	N			N	2	111	Y	14	100
PhysRevLett.78.2690	1997	N	15	277	N	14	289	N	6	768	N			N			N	1	1640	N	6	160	N	46	2	N			N	4	136	N	41	7	N	13	24	N			N			N			Y		
PhysRevB.58.R10096	1998	N	3	1199	N			Y	1	1877	Y			N			N	44	29	Y	6	175	N	2	500	Y			N	1	445	Y			Y			Y			Y			Y			N		
PhysRevC.58.1671	1998	N			N			Y			Y			N			N			Y			N			Y			N			Y			Y			Y			Y			Y			N		
PhysRevC.58.1804	1998	N			N	4	733	Y			Y			N			N			Y			N	1	818	Y			N			Y			Y			Y	37	21	Y			Y	95	1	N	4	255
PhysRevLett.81.1562	1998	N	2	1510	N			Y			Y			N			N			Y	1	897	N			Y			N			Y			Y			Y	93	2	Y	64	1	Y	17	20	N	89	7
PhysRevA.57.120	1998	N	762	1	N	39	65	Y	178	4	Y	119	1	N	3	101	N	221	2	Y	28	8	N	5	196	Y	3	17	N	262	1	Y	1	430	Y	26	10	Y			Y			Y			N		
PhysRevD.59.084006	1999	N			N			N			N			N			N			N			Y			N			N			N			N			N	43	10	N			N	38	1	N	1	482
PhysRevLett.83.3370	1999	N	1	2071	N	2	1058	N	1	2000	N			N			N			N			Y	2	443	N			N			N	1	415	N	2	203	N	73	4	N	10	7	N	14	14	N	460	2
PhysRevLett.83.4690	1999	N			N	1	1367	N	1	2000	N			N			N			N			Y	2	443	N			N			N	1	415	N			N	71	5	N	5	21	N	13	17	N	531	1
PhysRevD.62.064015	2000	N			N			N			N			N			Y			N			N			Y			N			N			N			N	38	10	N			Y	25	6	Y	1	569
PhysRevLett.84.4184	2000	N	65	32	N	6	582	N	20	257	N	6	88	N	16	21	Y	250	2	N	33	6	N	1	785	Y	13	2	N	7	106	N	1	466	N	1	402	N			N			Y			Y		
PhysRevLett.85.3966	2000	N	136	7	N	6	582	N	21	237	N	7	61	N	26	11	Y	425	1	N	57	1	N	2	460	Y	20	1	N	9	72	N	5	161	N			N	1	476	N			Y			Y	1	569
PhysRevA.62.062314	2000	N	13	375	N	1	1420	N	19	271	N	3	228	N			Y	1	1865	N			N			Y			N	7	106	N	3	237	N	13	34	N			N			Y			Y		
PhysRevB.61.14095	2000	N	14	343	N	2	1085	N	3	1411	N	1	582	N	1	301	Y	42	24	N	23	15	N	2	460	Y			N	1	527	N			N			N			N			Y			Y		
PhysRevC.62.054311	2000	N	1	2251	N			N			N			N			Y			N			N			Y			N			N			N			N	1	476	N			Y	1	228	Y		
PhysRevLett.84.3232	2000	N	1	2251	N	1	1420	N			N			N			Y	1	1865	N			N			Y			N			N			N			N			N			Y			Y		
PhysRevLett.84.5102	2000	N			N			N			N			N			Y	2	1334	N			N	1	785	Y			N			N	1	466	N			N			N			Y			Y	2	462
PhysRevB.63.245407	2001	Y	209	1	Y	3	980	Y	12	491	N			N			N	1	1810	N	14	35	N	1	807	N			N	102	2	Y	1	535	N			N			Y			N			N		
PhysRevD.63.114020	2001	Y			Y			Y			N			N			N			N			N			N			N			Y			N			N	1	505	Y			N			N		
PhysRevLett.87.071301	2001	Y			Y			Y			N			N			N			N			N			N			N			Y			N			N	43	8	Y	28	1	N	18	12	N	36	45
PhysRevC.63.024001	2001	Y			Y			Y			N			N			N			N			N	1	807	N			N			Y			N			N			Y			N	3	110	N		
PhysRevA.65.022314	2002	N	1	2258	N			N			Y	1	553	Y			Y	9	292	Y			Y	1	758	N			Y	1	664	N			Y			Y			N			N			N		
PhysRevB.65.165401	2002	N	284	1	N	2	1106	N	24	168	Y			Y	3	142	Y			Y	14	25	Y			N			Y	88	2	N	2	358	Y			Y			N			N			N		
PhysRevD.66.106006	2002	N			N	1	1443	N			Y			Y			Y			Y			Y			N			Y			N			Y			Y	5	203	N	1	77	N	1	215	N	100	7
PhysRevA.65.032314	2002	N	8	663	N	2	1106	N	37	66	Y	2	323	Y			Y	3	944	Y			Y	3	299	N	2	32	Y	29	22	N	1	517	Y	6	116	Y			N			N	2	141	N		
PhysRevB.65.195104	2002	N	48	52	N	1	1443	N	13	413	Y	1	553	Y	5	83	Y	121	3	Y	17	18	Y			N	3	18	Y	3	343	N			Y			Y			N			N			N		
PhysRevLett.89.011301	2002	N			N			N			Y			Y			Y			Y			Y			N			Y			N			Y			Y	56	5	N	18	1	N	15	16	N	40	48

PACS		73			74			75			76			77			78			81		
doi	year	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R	P	C	R
PhysRevC.66.064001	2002	N			N			N			Y			Y			Y			Y		
PhysRevC.68.041001	2003	N			N			N			N			N			N			N		
PhysRevA.68.022312	2003	N	8	646	N			N	14	359	N	1	512	N			N			N		
PhysRevB.67.180401	2003	N	5	957	N	5	609	N	60	20	N	4	161	N	47	1	N	7	354	N	1	877
PhysRevC.68.014313	2003	N			N			N			N			N			N			N		
PhysRevD.68.046005	2003	N			N	1	1320	N			N			N			N			N		
PhysRevD.69.103501	2004	N			Y			N			N			N			N			N		
PhysRevA.70.013603	2004	N	28	128	Y	25	111	N	26	129	N			N			N	3	915	N		
PhysRevB.71.014113	2005	Y	6	986	N	2	1104	Y	50	28	Y	2	318	Y	54	7	Y	15	134	N	2	471
PhysRevC.72.014904	2005	Y			N			Y			Y			Y			Y			N		
PhysRevC.72.055502	2005	Y			N			Y			Y	1	573	Y			Y			N		
PhysRevA.71.052108	2005	Y			N			Y			Y			Y			Y			N		
PhysRevB.71.045110	2005	Y	31	83	N	5	609	Y	38	48	Y			Y			Y			N		
PhysRevC.71.055202	2005	Y			N			Y			Y			Y			Y			N		
PhysRevB.73.125411	2006	N	290	3	N	16	143	N	36	52	N	6	74	N	4	134	N	47	9	Y	167	1
PhysRevC.74.044602	2006	N			N			N			N			N			N			Y		
PhysRevD.73.072003	2006	N			N			N			N			N			N			Y		
PhysRevB.75.205418	2007	N	176	6	N	9	268	N	8	531	N	2	284	N	9	46	N	54	4	N	72	3
PhysRevB.76.045302	2007	N	370	2	N	63	6	N	69	11	N	1	474	N	3	136	N	19	56	N	4	248
PhysRevB.78.195424	2008	N	317	1	Y	50	70	Y	96	7	Y	2	323	N	3	139	Y	35	11	N	4	230
PhysRevB.78.020503	2008	N	5	908	Y	257	8	Y	95	8	Y	22	10	N			Y	22	37	N	5	181
PhysRevC.77.054002	2008	N			Y			Y			Y			N			Y			N		
PhysRevA.79.053840	2009	N			N			N			N			N			N			N		
PhysRevB.80.245435	2009	N	34	58	N			N	1	2227	N			N			N	34	6	N	7	73
PhysRevB.82.081101	2010	N	23	94	N	2	894	N	1	2027	N			N	1	206	N	4	394	N	5	78
PhysRevB.82.180520	2010	N	3	1065	N	176	4	N	50	9	N	14	8	N			N	22	12	N	1	593
PhysRevC.82.014903	2010	N			N			N			N			N			N			N		
PhysRevC.82.034330	2010	N	1	2028	N			N			N			N			N			N		
PhysRevC.82.035804	2010	N			N			N			N			N			N			N		
PhysRevLett.105.136805	2010	N	59	15	N	4	582	N	15	112	N			N	1	206	N	31	6	N	9	23
PhysRevA.84.025602	2011	N	6	405	N	5	388	N	2	1201	N			N			N			N		
PhysRevB.83.195131	2011	N	19	68	N	2	770	N	3	844	N			N	1	174	N	2	514	N	10	5
PhysRevB.83.205101	2011	N	46	10	N	15	105	N	56	2	N	4	44	N	1	174	N	14	15	N	1	381
PhysRevC.83.061303	2011	N			N			N			N			N			N			N		
PhysRevC.84.024617	2011	N			N			N			N			N			N			N		
PhysRevD.83.084019	2011	N	1	1662	N			N	1	1775	N			N			N			N		
PhysRevB.85.205302	2012	N	24	11	N	1	707	N	5	178	N			N			N	13	5	N	1	169
PhysRevC.87.034303	2013	N			N			N			N			N			N			N		
PhysRevC.88.025501	2013	N			N			N			N			N			N			N		

PACS		82			84			85			87			89			95			96			97			98		
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PhysRevC.66.064001	2002	Y			N			Y			N			Y			Y			N			N			N		
PhysRevC.68.041001	2003	N			N			N			N			N			N	2	353	N			N	2	135	N		
PhysRevA.68.022312	2003	N	1	771	N			N	4	281	N			N	6	106	N			N			N			N		
PhysRevB.67.180401	2003	N			N			N	7	155	N	1	536	N			N			N			N			N		
PhysRevC.68.014313	2003	N			N			N			N			N			N			N			N			N		
PhysRevD.68.046005	2003	N			N			N			N			N			N	18	45	N	1	76	N	2	135	N	195	3
PhysRevD.69.103501	2004	Y			N			Y	1	769	N			N			Y	161	1	N	1	59	N	8	39	Y	322	1
PhysRevA.70.013603	2004	Y			N			Y			N			N			Y			N			N			Y		
PhysRevB.71.014113	2005	N			Y			N	1	927	Y			Y			N			N			N			N		
PhysRevC.72.014904	2005	N			Y			N			Y			Y			N			N			N			N	1	692
PhysRevC.72.055502	2005	N			Y			N			Y			Y			N	18	58	N	5	8	N	4	83	N	6	307
PhysRevA.71.052108	2005	N			Y			N			Y			Y	1	488	N			N			N			N		
PhysRevB.71.045110	2005	N			Y			N	1	927	Y			Y	1	488	N			N			N			N		
PhysRevC.71.055202	2005	N			Y	1	78	N			Y			Y			N			N			N			N		
PhysRevB.73.125411	2006	N	1	677	N	1	60	N	6	228	N			N			Y			N			Y			Y		
PhysRevC.74.044602	2006	N	1	677	N			N			N			N			Y			N			Y			Y		
PhysRevD.73.072003	2006	N			N			N			N			N			Y	31	16	N			Y			Y	4	438
PhysRevB.75.205418	2007	N	1	621	N			N	4	304	N			N			N			N			N			N		
PhysRevB.76.045302	2007	N	1	621	N			N	48	7	N			N			N			N			N			N		
PhysRevB.78.195424	2008	N			N			N	44	2	N	1	465	N			N			N			Y			Y		
PhysRevB.78.020503	2008	N			N			N			N			N			N			N			Y			Y		
PhysRevC.77.054002	2008	N			N			N			N			N			N			N			Y	1	263	Y		
PhysRevA.79.053840	2009	N			N			N			N			N			Y			Y			N			N		
PhysRevB.80.245435	2009	N	1	430	N			N			N			N			Y			Y			N			N		
PhysRevB.82.081101	2010	N	2	150	N	2	15	N	1	665	N			N			N			N			N			N		
PhysRevB.82.180520	2010	N			N			N			N			N			N			N			N			N		
PhysRevC.82.014903	2010	N			N			N			N			N			N			N			N			N		
PhysRevC.82.034330	2010	N			N			N			N			N			N			N			N			N		
PhysRevC.82.035804	2010	N			N			N			N			N			N			N			N	3	80	N		
PhysRevLett.105.136805	2010	N	1	342	N	1	40	N	4	205	N			N			N			N			N			N		
PhysRevA.84.025602	2011	N			N			N	1	475	N			N			N			N			N			N		
PhysRevB.83.195131	2011	N	3	46	N			N	2	265	N			N			N			N			N			N		
PhysRevB.83.205101	2011	N			N			N	3	172	N			N			N			N			N			N		
PhysRevC.83.061303	2011	N			N			N			N			N			N			N			N			N		
PhysRevC.84.024617	2011	N			N			N			N			N			N	6	111	N			N			N	1	555
PhysRevD.83.084019	2011	N			N			N			N			N			N	1	508	N			N			N		
PhysRevB.85.205302	2012	N	1	87	N			N			N			N			N			N			N			N		
PhysRevC.87.034303	2013	N			N			N			N			N			N			N			N			N		
PhysRevC.88.025501	2013	N			N			N			N			N			N			N			N			N		