

Verification of citations in EXFOR (A31)

M. Bossant
OECD NEA Data Bank

NRDC 2012

April 16-19, 2012, NEA, Paris, France

Context

- Publishers offer free access to citations on the Internet:
 - APS (prola.aps.org)
 - Elsevier (www.sciencedirect.com)
 - Springer Verlag (www.springerlink.com)
 - IOP (www.iop.org)
 - AIP (www.aip.org)

Citation key


- The in-house code extracts (journal code, volume, start page) from REFERENCE, REL-REF and MONIT-REF keywords type 'J'
- When the code knows the journal's website:
 - Fills in the citation search page
 - Downloads *all* search results
 - Extracts citation details like title and author(s)

EXFOR Coverage

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J	16357	79.2%
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R	1152	5.6%
P	689	3.3%
W	373	1.8%
S	271	1.3%
T	125	0.6%
B	60	0.3%
A	1	0.0%
Total	20657	100.0%

Journal Code	Website	# of citations retrieved from Internet	# of citations in database	# of citations not found
PR/C	prola.aps.org	3007	2985	0
NP/A	www.sciencedirect.com	2627	2318	36
PR	prola.aps.org	1726	1707	38
YF	N/A*	N/A	709	N/A
NSE	www.new.ans.org/pubs Does not use DOI	N/A	650	N/A
NP	www.sciencedirect.com	651	588	1
AE	N/A*	N/A	435	N/A
NIM/B	www.sciencedirect.com	369	366	28
PL/B	www.sciencedirect.com	432	355	0
JIN	www.sciencedirect.com	365	340	0

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Phys. Rev. Article:

or by citation or DOI

Single result

Citation Search: Vol. Page/Article

APS » Journals » Phys. Rev. C » Volume 61 » [Issue 6](#)

Phys. Rev. C 61, 067307 (2000) [3 pages]

Giant monopole strength in ^{58}Ni

Abstract

References

Citing Articles (7)

Download: [PDF \(47 kB\)](#) [Buy this article](#) Export: [BibTeX](#) or [EndNote \(RIS\)](#)

Y.-W. Lui, H. L. Clark, and D. H. Youngblood

Cyclotron Institute, Texas A&M University, College Station, Texas 77843

Received 3 November 1999; published 19 May 2000

The strength distribution of the giant monopole resonance in ^{58}Ni has been measured from $E_x=10$ to 35 MeV using $\text{sm}_{0.14}^{+1.69}\text{MeV}$.

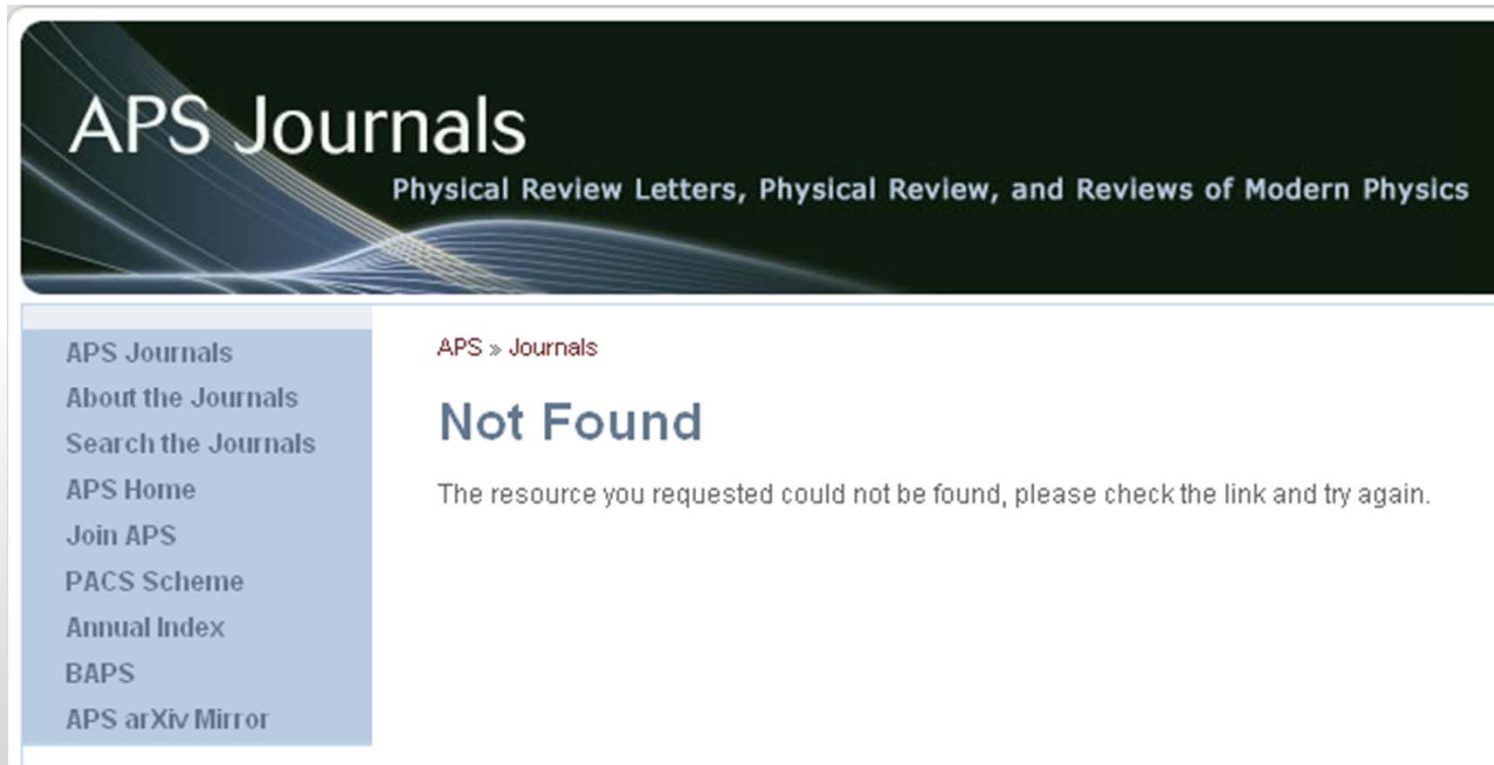
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URL: <http://link.aps.org/doi/10.1103/PhysRevC.61.067307>

DOI: [10.1103/PhysRevC.61.067307](https://doi.org/10.1103/PhysRevC.61.067307)

PACS: 24.30.Cz, 25.55.Ci, 27.40.+z, 24.30.Cz, 25.55.Ci, 27.40.+z

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APS Journals
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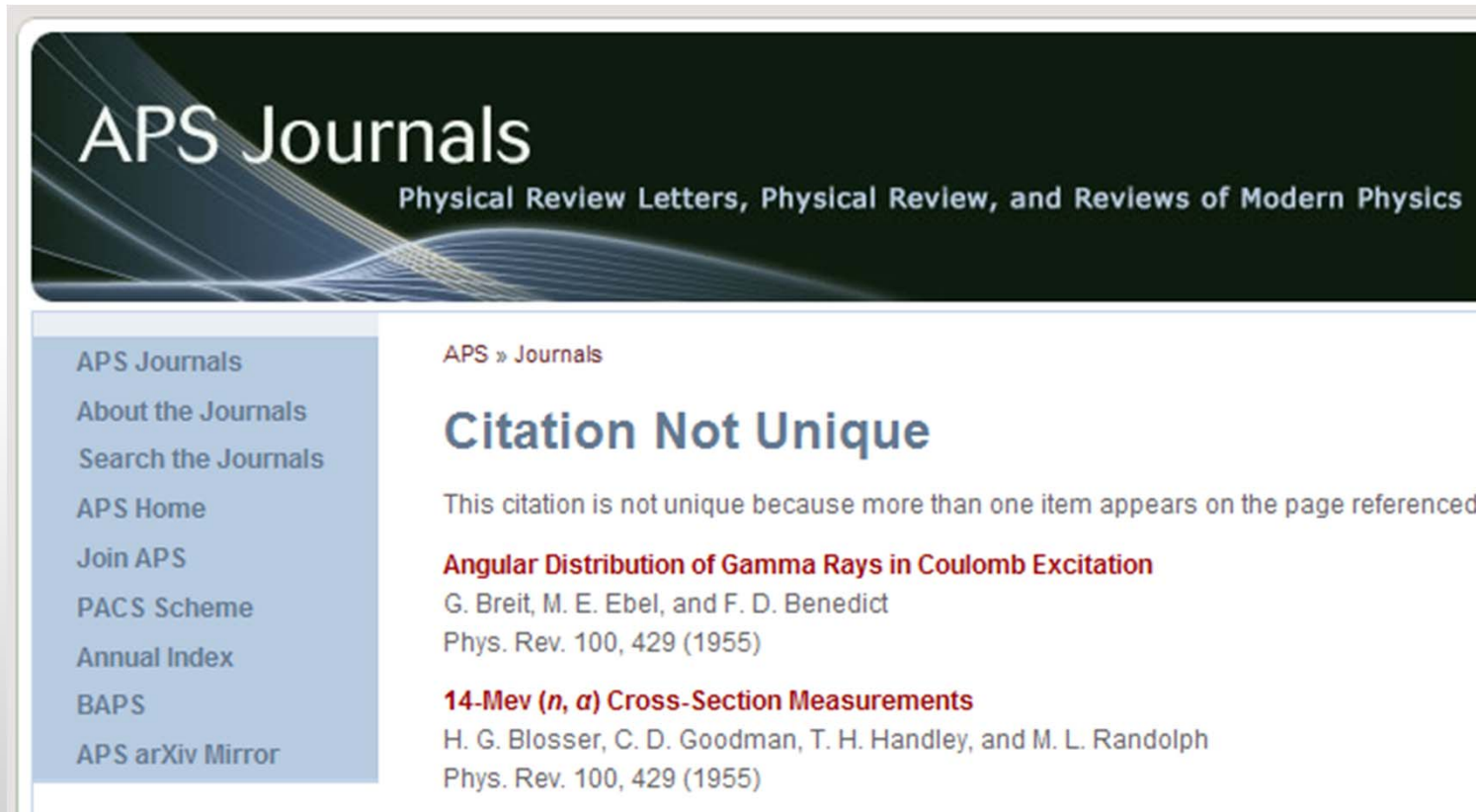
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Angular Distribution of Gamma Rays in Coulomb Excitation
G. Breit, M. E. Ebel, and F. D. Benedict
Phys. Rev. 100, 429 (1955)

14-Mev (n, α) Cross-Section Measurements
H. G. Blosser, C. D. Goodman, T. H. Handley, and M. L. Randolph
Phys. Rev. 100, 429 (1955)

Citation comparison

- Citation information
 - Journal code
 - Volume
 - Start page
 - Year of publication
 - DOI

Difficulties

- Requires careful and time consuming analysis
- Transcoding of illegal characters e.g. Unicode
- Author names : Asian names, Russian names

Author	Count
Zs.Fulop	42
Z.Fulop	10
Zs.Fuelop	5
Z.Fuelop	4
Z.Fueloep	1
Z.S.Fulop	1
Zs.Fuelop	1

Sample error detected C1156

ENTRY C1156 20050126 20050926 0000
 SUBENT C1156001 20050126 20050926 0000
 BIB 9 10
 INSTITUTE (1USATAM)
 REFERENCE (J, PR/C, 60, 014604, 1999)
 AUTHOR (D. H. Youngblood, Y. W. Lui, H. L. Clark)
 TITLE Giant monopole strength in ^{58}Ni
 FACILITY (CYCLO, 1USATAM)

Citation Search: Phys. Rev. C Vol. 60 Page/Article 014604 Go

APS » Journals » Phys. Rev. C » Volume 60 » Issue 1
Phys. Rev. C 60, 014604 (1999) [8 pages]
Theory of multiple giant dipole resonance excitation

Abstract References Citing Articles (10)

Download: PDF (163 kB) Buy this article Export: BibTeX or EndNote (RIS)

B. V. Carlson
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Received 30 November 1998; published 16 June 1999

A semiclassical description of multiple giant resonance excitation that incorporates incoherent fluctuation contributions of

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URL: <http://link.aps.org/doi/10.1103/PhysRevC.60.014604>
 DOI: 10.1103/PhysRevC.60.014604
 PACS: 24.30.Cz, 21.10.Re, 24.60.Ky, 25.70.De

Citation Search: Phys. Rev. Lett. Vol. 61 Page/Article 067307 Go

APS » Journals » Phys. Rev. C » Volume 61 » Issue 6
Phys. Rev. C 61, 067307 (2000) [3 pages]
Giant monopole strength in ^{58}Ni

Abstract References Citing Articles (7)

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Y.-W. Lui, H. L. Clark, and D. H. Youngblood
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The strength distribution of the giant monopole resonance in ^{58}Ni has been measured from $E_x=10$ to 35 MeV using $^{58}\text{Ni}(p, \alpha)^{57}\text{Ni}$.

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 DOI: 10.1103/PhysRevC.61.067307
 PACS: 24.30.Cz, 25.55.Ci, 27.40.+z, 24.30.Cz, 25.55.Ci, 27.40.+z

Results

- CP/N-098 (EXFOR-2011-06-24)
 - 118 entries reported
 - Detailed analysis of TITLE and AUTHOR keywords
- CP/N-104 (EXFOR-2012-03-18)
 - Journal coverage extended
 - Limited analysis
 - 50 new entries
 - 3 incorrect DOIs reported

Recommendations to compilers

- Check journal codes vs. publication year
 - NP vs. NP/A
 - JRC vs. JRN
- Input minimum information
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 - No month, day
 - No DOI