Lawrence Berkeley National Laboratory
Recent Work

Title
Nuclear Data Sheets for A = 109

Permalink
https://escholarship.org/uc/item/3668q4xx

Journal
Nuclear Data Sheets, 137

ISSN
0090-3752

Authors
Kumar, S
Chen, J
Kondev, FG

Publication Date
2016-11-01

DOI
10.1016/j.nds.2016.09.001

Peer reviewed
Evaluated nuclear structure and decay data for all nuclei with mass number A = 109 (Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe) are presented. The experimental data are compiled and evaluated, and the best values for level and gamma-ray energies, quantum numbers, lifetimes, gamma-ray intensities, and other nuclear properties are recommended. Inconsistencies and discrepancies that exist in the literature are noted. This work supersedes the earlier evaluation by J. Blachot (2006Bl02), published in Nuclear Data Sheets107, 355 (2006).

References

1937Ja01
D.A. Jackson, H. Kuhn

CrossRef View Record in Scopus
1940Al01
L.W. Alvarez, A.C. Helmholtz, E. Nelson

CrossRef View Record in Scopus
1945Wi11
M.L. Wiedenbeck

CrossRef View Record in Scopus
1947Br05
H. Bradt, P.C. Gugelot, O. Huber, H. Medicus, P. Preiswerk, P. Scherrer, R. Steffen
View Record in Scopus

**1948Mo33**
D.L. Mock, B.C. Waddell, L.W. Fagg, R.A. Tobin

CrossRef

View Record in Scopus

**1949Ma20**
E.C. Mallary, M.L. Pool

CrossRef

View Record in Scopus

**1950Co60**
J.M. Cork, W.C. Rutledge, A.E. Stoddard, C.E. Branyan, J. LeBlanc

CrossRef

View Record in Scopus

**1950Cr26**
M.F. Crawford, A.L. Schawlow, F.M. Kelly, W.M. Gray

CrossRef

View Record in Scopus

**1950Gu54**
J.R. Gum, M.L. Pool

CrossRef

View Record in Scopus

**1951Ka46**
J.H. Kahn
Thesis
Univ. Tennessee (1951)
ORNL-1089, 1951.

C.L. McGinnis

View Record in Scopus

**1951Mc11**
E.J. Wolicki, B. Waldman, W.C. Miller


P. Avignon


J. Brunner, O. Huber, R. Joly, D. Maeder


E. der Mateosian


R.H. Nussbaum, A.H. Wapstra, N.F. Verster, H. Cerfontain

Physica, 19 (1953), p. 385

G. Bertolini, A. Bisi, E. Lazzarini, L. Zappa

CrossRef View Record in Scopus

J. Moreau


CrossRef View Record in Scopus

P.B. Sogo, C.D. Jeffries


CrossRef View Record in Scopus

A.H. Wapstra


View Record in Scopus

F.K. McGowan, P.H. Stelson


CrossRef


1955Mc51

M.D. Petroff

Thesis

Univ. California (1956)

UCRL-3538, 1956.

1956Ku51

R.L. Macklin, N.H. Lazar, W.S. Lyon


CrossRef View Record in Scopus
T. Stribel

Z. Naturforsch., 12a (1957), p. 939

View Record in Scopus

A.H. Wapstra, W. van der Eijk


ArticleDownload PDFView Record in Scopus

G. Gueben, J. Govaerts
Inst. Interuniv. Sci. Nucleaires (Bruxelles)
Monographie, vol. 2 (1958)

L.L. Marino, W.B. Ewbank, W.A. Nierenberg, H.A. Shugart, H.B. Silsbee


CrossRefView Record in Scopus

F.K. McGowan, P.H. Stelson


CrossRefView Record in Scopus

U. Schindewolf


CrossRefView Record in Scopus

L.L. Marino

Thesis

Univ. California (1959)

UCRL-8721.
See Also 58Ma43.


J.W. Starner


L2

M. Crut, D.R. Sweetman, N.S. Wall

Nuclear Phys., 17 (1960), p. 655

Article Download PDF View Record in Scopus

H.W. Brandhorst Jr., J.W. Cobble


CrossRef View Record in Scopus

S.F. Eccles

Physica, 28 (1962), p. 251

Article Download PDF View Record in Scopus

M. Nozawa


Article Download PDF View Record in Scopus

F.W. Byron Jr., M.N. McDermott, R. Novick


CrossRef View Record in Scopus
B. Cujec


G. Poelz, U. Schmidt-Rohr


Physica, 30 (1964), p. 124

K. Brandi, R. Engelmann, V. Hepp, E. Kluge, H. Krehbiel, U. Meyer-Berkhout


B. Rosner


W. Weirauch


A.G. Demin, Y.P. Kushakevich
1965Kh04
D.E. Khulelidze, V.L. Chikhladze, V.G. Onufriev

1965Le03
J.C. Legg, G. Roy, M.A. Crosby

1965Le06
H. Leutz, K. Schneckenberger, H. Wenninger
Nucl. Phys., 63 (1965), p. 263

1965Ma12
R.D. Macfarlane, A. Siivola

1965Mo06
R.B. Moler, R.W. Fink
Phys. Rev., 139 (1965), Article B282

1965Se08
S.K. Sen, I.O. Durosinmi-Etti
A.T. Siivola

G.M. Stinson, R.G. Summers-Gill
Abstr. 12.7

I.O. Durosinmi-Etti, D.R. Brundrit, S.K. Sen


M.S. Freedman, F.T. Porter, F. Wagner


J.F.W. Jansen, A.H. Wapstra

I. Martinson, N.G.E. Johansson, S. Borg, T. Alvager

View Record in Scopus

1966Mc06
A.L. McCarthy, T.W. Conlon

CrossRef View Record in Scopus

1966We01
W. Weirauch, W.-D. Schmidt-Ott, F. Smend, A. Flammersfeld

CrossRef View Record in Scopus

1966WeZZ

1967Ab07
I.A. Abrams, L.L. Pelekis Program and Theses

View Record in Scopus

1967Bl08
J.L. Black, W. Gruhle

Article Download PDF View Record in Scopus

1967Br07
C. Brun, H. Dubost, B. Gatty, M. Lefort, X. Tarrago

Article Download PDF View Record in Scopus

1967Co24
B.L. Cohen, J.B. Moorhead, R.A. Moyer

CrossRef View Record in Scopus

1967DiZZ
G. Diethrich
Thesis
Univ. Michigan (1967)

1967Fr16
K. Fritze, K. Griffiths

View Record in Scopus

1967Gr25
K. Griffiths, K. Fritze

CrossRef View Record in Scopus

1967Ka01
V.A. Karnaukhov, G.M. Ter-Akopyan, L.S. Vertogradov, L.A. Petrov

Article Download PDF View Record in Scopus

1967Li10
J. Libert

Article Download PDF View Record in Scopus

1967Mi11
V. Middelboe, Kgl Danske, Videnskab Selskab

1967Na18
T. Nagahara, M. Hattori, K. Kitao
Radioisotopes (Tokyo), 16 (1967), p. 8344

View Record in Scopus

1967Pi05
W.R. Pierson, R.H. Marsh
1967Sc22
F.J. Schima, J.M.R. Hutchinson

1968BaZY
W.E. Barnes, H.T. Easterday, RLO-1062-681, 1968, p. 8

1968Be22
G. Berzins, M.E. Bunker, J.W. Starmer

1968BeZV
R.B. Begzhanov, K. Sabirov, K. Salikhbaev, M.M. Khodzhaev

1968Co32
B.L. Cohen, R.A. Moyer, J.B. Moorhead, L.H. Goldman, R.C. Diehl

1968Ea01
L.V. East, H.M. Murphy Jr., E.R. Lewis

1968Fo03
C. Foin, A. Gizon, J. Oms

1968Fu05
T. Furuta, J.R. Rhodes

**1968Gr02**
G. Graeffe, G.E. Gordon


**1968Iv02**
E.A. Ivanov, A. Iordachescu, G. Pascovici


**1968Re04**
S.A. Reynolds, J.F. Emery, E.I. Wyatt


**1968Sm08**
F. Smend, W. Weirauch, W.-D. Schmidt-Ott

Z. Phys., 214 (1968), p. 437

**1968St17**
W.M. Stewart, N. Baron, R.F. Leonard


**1969Ab04**
E. Abramson, I. Plesser, Z. Vager, J.P. Wurm


**1969Ab09**
E. Abramson, R.A. Eisenstein, I. Plesser, Z. Vager

I. Ben-Zvi, A.E. Blaugrund, Y. Dar, G. Goldring, Y. Wolfson


M. Boivin, Y. Cauchois, Y. Heno


V.R. Burmistrov, V.A. Shilin, V.A. Didorenko


V.A. Didorenko, Y.A. Andreev, V.R. Burmistrov, S.P. Karetskaya


R.L. Heath


N.S. Laulainen, M.N. McDermott

B. Planskoy


[Article Download PDF View Record in Scopus]


[Article Download PDF View Record in Scopus]

W.C. Schick Jr., W.L. Talbert Jr.


[Article Download PDF View Record in Scopus]

C.G. Shugart, J.R. Curry, G.A. Lock, P.A. Moore, P.J. Riley


[CrossRef View Record in Scopus]

J.B. Wilhelmy

Thesis

Univ. California (1969)

UCRL-18978, 1969.

[1969WiZX]

T. Yamazaki, G.T. Ewan

[1969Ya05]
E. Abramson, R.A. Eisenstein, I. Plesser, Z. Vager, J.P. Wurm

E. Bashandy

R.B. Begzhanov

M. Bormann, H.H. Bissem, E. Magiera, R. Warnemunde

R.C. Diehl, B.L. Cohen, R.A. Moyer, L.H. Goldman

J.L.C. Ford Jr., R.L. Robinson, P.H. Stelson, T. Tamura, C.-Y. Wong

W. Goedbloed, S.C. Goverse, C.P. Gerner, A. Brinkman, J. Blok
R.C. Greenwood, R.G. Helmer, R.J. Gehrke

W. John, F.W. Guy, J.J. Wesolowski

T.R. Miller, M. Takeda

D.E. Raeside

J. Rivier, R. Moret


W.M. Roney, H.W. Kugel, G.M. Heestand, R.R. Borchers, R. Kalish

View Record in Scopus

1970Sh05

S. Shastry, H. Bakhru, I.M. Ladenbauer-Bellis


CrossRef View Record in Scopus

1970Wa05


Article Download PDF View Record in Scopus

1971Ba08

H. Bakhru, I.M. Ladenbauer-Bellis, I. Rezanka


CrossRef View Record in Scopus

1971Ho29

F.F. Hopkins, G.W. Phillips, J.R. White, C.F. Moore, P. Richard


CrossRef View Record in Scopus

1971Ri02

M.T. Riccato


1972Br02

D.S. Brenner, M.L. Perlman


Article Download PDF View Record in Scopus
V.R. Burmistrov, V.A. Shilin


View Record in Scopus

J.L. Campbell, L.A. McNelles


ArticleDownload PDFCrossRefView Record in Scopus

M.B. Chatterjee, B.B. Baliga


View Record in Scopus

H.C. Jain, S.K. Bhattacherjee, C.V.K. Baba


ArticleDownload PDFView Record in Scopus

P.W. Spence, M.N. McDermott


ArticleDownload PDFView Record in Scopus

M.J. Throop, I. Hall, I.M. Naqib, D.J. Thomas, B. Wakefield


ArticleDownload PDFView Record in Scopus

R.L. Auble, F.E. Bertrand, Y.A. Ellis, D.J. Horen


CrossRefView Record in Scopus
1973BuZX  
V.R. Burmistrov, V.A. Didorenko  
Program and Theses  
View Record in Scopus

1973ChWJ  

1973ChZN  

1973Co10  
C.W. Cottrell  
Article Download PDF View Record in Scopus

1973Ha37  
E. Hagberg, P.G. Hansen, B. Jonson, B.G.G. Jorgensen, E. Kugler, T. Mowinckel  
Article Download PDF View Record in Scopus

1973Ho22  
F.F. Hopkins, J.R. White, C.F. Moore, P. Richard  
CrossRef View Record in Scopus

1973IsZT  

1973Le29  
J. Legrand, M. Blondel, P. Magnier  
Article Download PDF View Record in Scopus

1974ClZX  
View Record in Scopus
1974Er05


View Record in Scopus

1974Ho17
W. Hogervorst, C. Ekstrom, S. Ingelman, G. Wannberg


CrossRef View Record in Scopus

1974Mi02
T.R. Miller, M. Takeda


Article Download PDF View Record in Scopus

1974Sa25
W. Sahm, A. Schwenk


View Record in Scopus

1975Ch07
K.C. Chan, B.L. Cohen, L. Shabason


CrossRef View Record in Scopus

1975Di12
W. Dietrich, A. Backlin, C.O. Lannergard, I. Ragnarsson


Article Download PDF View Record in Scopus

1975Ei10
F. El-Bedewi, Z. Miligy, H. Hanafi

1975Fe12
P. Fettweis, P. del Marmol

1975Ma32
B. Martin, D. Merkert, J.L. Campbell

1975Me22

1975Na01
H.J. Nagy, G. Schupp, R.R. Hurst

1976ChZD
E. Cheifetz, A. Wolf
CERN-76-13

1976Dr07
O. Dragoun, V. Brabec, M. Rysavy, J. Plch, J. Zderadicka

1976EiZY
1976Fu06
G.H. Fuller

1976GaZQ
P.W. Gallagher, E.W. Schneider, M.D. Glascock, W.B. Walters, R.A. Meyer

1976KaYO
N. Kaffrell, G. Franz, G. Klein, K. Summerer, G. Tittel, N. Trautmann, G. Herrmann, H. Ahrens,

1976Ma09
G.C. Madueme, L.O. Edvardson, L. Westerberg

1976MaYL
V. Matschoss, K. Bachmann

1976Ox01
K. Oxorn, A.J. Houdayer, S.K. Mark

1976PoZU
A.V. Poelgeest, W.H.A. Hesselink, J. Zalmstra, H. Verheul

View Record in Scopus

1976Sm04
J.W. Smits, R.H. Siemssen

ArticleDownload PDFView Record in Scopus

1976Tr02
N. Trautmann, N. Kaffrell, H. Ahrens, P.F. Dittner

CrossRefView Record in Scopus

1976Va25
S.Y. Van der Werf, B. Fryszczyn, L.W. Put, R.H. Siemssen

ArticleDownload PDFView Record in Scopus

1977An01

CrossRefView Record in Scopus

1977Ba57
H. Bartsch, K. Huber, U. Kneissl, H. Krieger

CrossRefView Record in Scopus

1977Ba87

1977Be19
I. Berkes, G. Marest, R. Haroutunian
**1977Bo04**  
H.E. Bosch, V.M. Silbergleit, M. Davidson, J. Davidson  

**1977Bo15**  
R.N. Boyd, H. Clement, G.D. Gunn  

**1977ChYJ**  

**1977ChYZ**  

**1977Gi11**  
J.E. Gindler, L.E. Glendenin  

**1977Ki11**  
R. Kirchner, O. Klepper, G. Nyman, W. Reisdorf, E. Roeckl, D. Schardt, N. Kaffrell, P. Peuser, K.S. Schneweiss  

**1977Sh05**  
S. Shastry, T.W. Debiak, E.V. Mason Jr., J.D. Yesso, R.L. Wolke  

**1977SmZM**  

**1977SmZX**  
W. Smits

Thesis
1977Va05

C.W.E. van Eijk, J. Wijnhorst


CrossRef View Record in Scopus

1978Fr16

G. Franz, G. Herrmann


Article Download PDF View Record in Scopus

1978Fr21

G. Franz


Article Download PDF View Record in Scopus

1978He21

R.G. Helmer, R.C. Greenwood, R.J. Gehrke


Article Download PDF View Record in Scopus

1978Ka10


CrossRef View Record in Scopus

1978Mo22

T. Morii


Article Download PDF View Record in Scopus

1978Pa11

R.C. Pardo, E. Kashy, W. Benenson, L.W. Robinson

I. Prochazka, T.I. Kracikova, V. Jahelkova, Z. Hons, M. Fiser, J. Jursik


G.A. Shevelev, A.G. Troitskaya, V.M. Kartashov


[CrossRef] [View Record in Scopus]


[Article] [Download PDF] [View Record in Scopus]


[Article] [Download PDF] [View Record in Scopus]

E. Hashimoto, Y. Shida, G.C. Madueme, N. Yoshikawa, M. Sakai, S. Ohya

[View Record in Scopus]

S. Ohya, Y. Shida, O. Hashimoto, N. Yoshikawa, M. Ishii

[Article] [Download PDF] [View Record in Scopus]

J. Plch, P. Dryak, J. Zderadicka, E. Schonfeld, A. Szorenyi

[CrossRef] [View Record in Scopus]

C.W.E. van Eijk, J. Wijnhorst, M.A. Popelier


O. Scholten, M.N. Harakeh, J. Van Der Plicht, L.W. Put, R.H. Siemssen, S.Y. Van Der Werf, M. Sekiguchi


V.P. Burminsky, O.D. Kovargin


E. Hagan, E. Zech, G. Eska


M.G. Johnston, I.S. Grant, P. Misaelides, P.J. Nolan, P. Peuser, R. Kirchner, O. Klepper, E. Roeckl


D. Schardt, T. Batsch, R. Kirchner, O. Klepper, W. Kurcewicz, E. Roeckl, P. Tidemand-Petersson


R. Vaninbroukx, G. Grosse, W. Zehner


W. Andrejtscheff, M. Senba, N. Tsoupas, Z.Z. Ding

D.K. Avasthi, V.K. Mittal, I.M. Govil


CrossRef View Record in Scopus

Z. Awwad, T. Bayomy, N.A. Mansour, F. Asfour, M.R. El-Aasser


View Record in Scopus

R.A. Braga, R.W. Fink


CrossRef View Record in Scopus


1982HoZF


1982HoZJ

M.G. Johnston, I.S. Grant, P. Misaelides, P.J. Nolan, P. Peuser, R. Kirchner, O. Klepper, E. Roeckl, P. Tidemand-Petersson


CrossRef View Record in Scopus

F. Lagoutine, J. Legrand


Article Download PDF View Record in Scopus


1983BaZT

M.B. Chatterjee, B.B. Baliga, R. Bhattacharya


1983Ch34
1983Ch42
M.B. Chatterjee, B.B. Baliga

1983Ta06
E.M. Takagui, F.C. Sampaio, O. Dietzsch

1984Ba72
D. Bazzacco, F. Brandolini, P. Pavan, C. Rossi Alvarez, R. Zannoni, M. De Poli

1984Fa04
T. Faestermann, A. Gillitzer, K. Hartel, P. Kienle, E. Nolte

1984Ka16
L. Kaubler, W. Enghardt, H.J. Keller, L. Kostov, H. Prade, F. Stary
ATOMKI Kozlem., 26 (1984), p. 27

1984ShZL
G.A. Shevelev Program and Theses

1984Wo08

1985Ed01
R. Eder, E. Hagn, E. Zech
CrossRef View Record in Scopus

1985Ti02
P. Tidemand-Petersson, R. Kirchner, O. Klepper, E. Roeckl, D. Schardt, A. Plochocki, J. Zylicz
Article Download PDF View Record in Scopus

1985Ti05
W. Tiereth, Z. Basrak, N. Bischof, H. Frohlich, H. Voit
Article Download PDF View Record in Scopus

1985Ul03
G. Ulm, J. Eberz, G. Huber, H. Lochmann, R. Menges, R. Kirchner, O. Klepper, T. Kuhl, P.O. Lars son, D. Marx, D. Murnick, D. Schardt
CrossRef View Record in Scopus

1986Ba14
D. Ballon, Y. Niv, S. Vajda, N. Benczer-Koller, L. Zamick, G.A. Leander
CrossRef View Record in Scopus

1986Be01
I. Berkes, O. El Hajjaji, B. Hlimi, G. Marest, R. Coussement, F. Hardeman, P. Put, G. Scheveneels
CrossRef View Record in Scopus

1986En06
CrossRef View Record in Scopus

1986KaZS

1986KuZV
M.F. Kudoyarov, A.A. Pasternak, V.V. Trishin, Yu.N. Lobach, I.P. Tkachuk Program and Theses

View Record in Scopus

1987Eb01


CrossRef View Record in Scopus

1987Eb02
J. Eberz, U. Dinger, G. Huber, H. Lochmann, R. Menges, R. Neugart, R. Kirchner, O. Klepper, T.K. Uhl, D. Marx, G. Ulm, K. Wendt, the ISOLDE Collaboration


Article Download PDF View Record in Scopus

1987Gi02
A. Gillitzer, T. Faestermann, K. Hartel, P. Kienle, E. Nolte


CrossRef View Record in Scopus

1987Ka29


Article Download PDF View Record in Scopus

1987Ku09
T. Kuhl, R. Kirchner, O. Klepper, D. Marx, U. Dinger, J. Eberz, G. Huber, H. Lochmann, R. Menges, G. Ulm


1987KuZV
M.F. Kudoyarov, E.V. Kuzmin, Yu.N. Lobach, A.A. Pasternak, I.P. Tkachuk, V.V. Trishin

Program and Theses

View Record in Scopus

1987Wa27
Y. Watanabe, I. Kumabe, M. Hyakutake, N. Koori, K. Ogawa, K. Orito, K. Akagi, N. Oda


CrossRef

View Record in Scopus

1988Ba60
C. Ballaux, B.M. Coursey, D.D. Hoppes


Article

Download PDF

View Record in Scopus

1988Br31
D.E. Brown, K.S. Krane


Article

Download PDF

View Record in Scopus

1988Ch25


CrossRef

View Record in Scopus

1988Ch35
M.B. Chatterjee, R. Bhattacharya, B.B. Baliga


CrossRef

View Record in Scopus

1988Il01
K. Ilakovac, G. Jerbic-Zorc, M. Bozin, R. Pesic, V. Horvat

Fizika (Zagreb), 20 (1988), p. 91

CrossRef

View Record in Scopus

1988Ku25
I. Kumabe, Y. Inenaga, M. Hyakutake, N. Koori, Y. Watanabe, K. Ogawa, K. Orito

CrossRef View Record in Scopus


View Record in Scopus


View Record in Scopus


CrossRef View Record in Scopus

Y. Hino, Y. Kawada


Article Download PDF View Record in Scopus

M. Loiselet, O. Naviliat-Cuncic, J. Vervier


Article Download PDF View Record in Scopus

A. Abzouzi, M.S. Antony, V.B. Ndocko Ndongue, D. Oster


CrossRef View Record in Scopus
1990Al43

View Record in Scopus

1991Bu17
V.V. Bulgakov, A.V. Kaznovetsky, V.I. Kirishchuk, S.A. Kovalenko, V.T. Kupryashkin, A.P. Lashko, N.V. Strilchuk, A.I. Feoktistov, I.P. Shapovalova

1992An19
M.S. Antony, D. Oster, A. Hachem

CrossRef View Record in Scopus

1992Ay02

CrossRef View Record in Scopus

1992KaZM

1992PeZX
H. Penttila
Thesis
Univ. Jyvaskyla (1992)

1992ScZZ
U. Schotzig, H. Schrader, K. Debertin
CrossRef View Record in Scopus

1992Sh35
N. Shinohara, S. Ichikawa, S. Baba, K. Tsukada, T. Ohtsuki, J. Alstad

View Record in Scopus

1992Si05
K.P. Singh, D.K. Avasthi, I.M. Govil

CrossRef View Record in Scopus

1992Un01
M.P. Unterweger, D.D. Hoppes, F.J. Schima

Article Download PDF View Record in Scopus

1993IsZX
T. Ishii, A. Makishima, M. Shibata, M. Ogawa, M. Ishii

1993Se04

CrossRef View Record in Scopus

1994ByZZ
V.T. Bykov, K.S. Goncharov, V.A. Kuzmenko, V.V. Remaev Program and Thesis

1994Is01
T. Ishii, A. Makishima, M. Shibata, M. Ogawa, M. Ishii

CrossRef View Record in Scopus

1994Ja06


CrossRef View Record in Scopus
1994Ju05


Article Download PDF View Record in Scopus
1994Ra37

G. Ratel


Article Download PDF View Record in Scopus
1994Re06


CrossRef View Record in Scopus
1995Bu14


CrossRef View Record in Scopus
1995Do13


CrossRef View Record in Scopus

S. Hofmann


View Record in Scopus

1995Ka09

L. Kaubler, H. Prade, J. Reif, R. Schwengner, G. Winter, H. Grawe, J. Heese, H. Kluge, K.-H. Mayer, R. Schubart, K.-M. Spohr


View Record in Scopus

1995Pa01


CrossRef View Record in Scopus

1995Sc24

S. Schoedder, G. Lhersonneau, A. Wohr, G. Skarnemark, J. Alstad, A. Nahler, K. Eberhardt, J. Aysto, N. Trautmann, K.-L. Kratz


CrossRef View Record in Scopus

1996Ch37
R.S. Chakrawarty, R.G. Pillay


CrossRef View Record in Scopus


CrossRef View Record in Scopus


CrossRef View Record in Scopus


CrossRef View Record in Scopus


CrossRef View Record in Scopus

I.N. Vishnevsky, V.I. Nikolaev, O.A. Purtov, V.V. Trishin Program and Thesis


View Record in Scopus

1996Ka43
1996Me09
1996Po07
1996Sc29
1996ViZZ
1997Bh06


CrossRef View Record in Scopus


CrossRef View Record in Scopus


Article Download PDF View Record in Scopus

R.H. Martin, K.I.W. Burns, J.G.V. Taylor


Article Download PDF View Record in Scopus

P. Moller, J.R. Nix, K.-L. Kratz

At. Data Nucl. Data Tables, 66 (1997), p. 131

Article Download PDF View Record in Scopus
P. Vaska, State Univ. of New York Stony Brook, 1997.

G. de Angelis, C. Fahlander, A. Gadea, E. Farnea, D. Bazzacco, N. Belcari, N. Blasi, P.G. Bizzeti, A. Bizzi-Sona, D. de Acuna, M. De Poli, H. Grawe, A. Johnson, G. Lo Bianvarez, D. Rudolph, R. Schubart, P. Spolaore, R. Wyss, F. Xu


ArticleDownload PDFView Record in Scopus


View Record in Scopus


View Record in Scopus


CrossRef View Record in Scopus


1998KaZZ


CrossRef View Record in Scopus


1998LaZU


CrossRef View Record in Scopus


CrossRef View Record in Scopus


CrossRef View Record in Scopus

I. Danko, Zs. Dombradi, Z. Gacsi, J. Gulyas, A. Krasznahorkay, N. Sandulescu, J. Blomqvist, R.J. Liotta


CrossRef View Record in Scopus


CrossRef View Record in Scopus


CrossRef View Record in Scopus

E. Maglione, L.S. Ferreira, R.J. Liotta


CrossRef View Record in Scopus


CrossRef View Record in Scopus


Phys. Rev. C, 59 (1999), Article R1834


R.G. Helmer


E. Yoshida, T. Kobayashi, Y. Kojima, K. Shizuma


S. Harissopulos, A. Dewald, A. Gelberg, K.O. Zell, P. von Brentano, J. Kern


2002Un02
M.P. Unterweger


ArticleDownload PDFView Record in Scopus

2002Ve08


CrossRefView Record in Scopus

2004Lu20


CrossRefView Record in Scopus

2004Sc04
H. Schrader


ArticleDownload PDFView Record in Scopus

2005Gy02

Phys. Rev. C, 71 (2005), Article 057302

CrossRef

2006Bl02
J. Blachot
2006Ko27
K. Kossert, H. Janssen, R. Klein, M.K.H. Schneider, H. Schrader


2006Li41


2006Ur01
W. Urban, Ch. Droste, T. Rzaca-Urban, A. Zlomaniec, J.L. Durell, A.G. Smith, B.J. Varley, I. Ahmad


2006Wu01


2007CeZX


2007Ma35


2007Pe32


2007TiZZ

2007ZhZX

2008Da12
P. Datta, S. Roy, S. Pal, S. Chattopadhyay, S. Bhattacharya, A. Goswami, M.S. Sarkar, J.A. Sheikh, Y. Sun, P.V. Madhusudhana


Phys. Rev. C, 78 (2008), Article 021306

2008Di11
Phys. Rev. C, 77 (2008), Article 057302

CrossRef
2008Go18
M. Gorchtein

Phys. Rev. C, 77 (2008), Article 065501

CrossRef
2008Ki07


ArticleDownload PDFView Record in Scopus
2008Kr05

Phys. Rev. C, 77 (2008), Article 054615

CrossRef
2009Di12


ArticleDownload PDFView Record in Scopus
2009Go18

Phys. Rev. C, 80 (2009), Article 014318

CrossRef
2009Pe06

Phys. Rev. C, 79 (2009), Article 035806


Phys. Rev. C, 82 (2010), Article 064308


Article Download PDF View Record in Scopus

2011Va02
R. Van Ammel, S. Pomme, J. Paepen, G. Sibbens


Article Download PDF View Record in Scopus

2011Wa03


Article Download PDF CrossRef View Record in Scopus

2012Cu03
D.M. Cullen, M.G. Procter, M.J. Taylor, J. Phys

Conf. Ser., 381 (2012), Article 012075

CrossRef

2012Di13

Phys. Rev. C, 86 (2012), Article 031302
2012Fi12
R. Fitzgerald

2012Ka36
Phys. Rev. C, 86 (2012), Article 054319

2012Ku28
Phys. Rev. C, 86 (2012), Article 044306

2012Ne03

2012Pr10
Phys. Rev. C, 86 (2012), Article 034308

CrossRef

2012Re14
I.A. Reyhancan


ArticleDownload PDFView Record in Scopus

2012Sm02


CrossRef

2012St13


CrossRef

2012Wa38
M. Wang, G. Audi, A.H. Wapstra, F.G. Kondev, M. MacCormick, X. Xu, B. Pfeiffer


CrossRefView Record in Scopus

2012Wa41
H. Watanabe, J. Phys

Conf. Ser., 381 (2012), Article 012083

CrossRef

2013Yo02

This work is supported by the Office of Nuclear Physics, Office of Science, U.S. Department of Energy under contract DE-AC02-06CH11357.
Permanent address: Department of Physics and Astrophysics, University of Delhi, Delhi, India 110007.

Present address: National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan 48824, USA.