

## List of publications – Piet Van Duppen

### International refereed journals

**Physical Review Letters 106 (2011) 052503**; *Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes*; T. E. Cocolios, W. Dexters, M. D. Seliverstov, A. N. Andreyev, S. Antalic, A. E. Barzakh, B. Bastin, J. Büscher, I. G. Darby, D.V. Fedorov, V. N. Fedossejev, K. T. Flanagan, S. Franchoo, S. Fritzsche, G. Huber, M. Huyse, M. Keupers, U. Köster, Yu. Kudryavtsev, E. Mane, B. A. Marsh, P. L. Molkanov, R. D. Page, A. M. Sjoedin, I. Stefan, J. Van de Walle, P. Van Duppen, M. Venhart, S. G. Zemlyanoy, M. Bender, and P.-H. Heenen

**Journal of Physics G, Nuclear and Particle Physics 38 (2011) 024005**; *Physics with REX-ISOLDE: from experiment to facility*; P. Van Duppen and K. Riisager

**Physical Review Letters 105 (2010) 252502**; *New Type of Asymmetric Fission in Proton-Rich Nuclei*; A. N. Andreyev, J. Elseviers, M. Huyse, P. Van Duppen, S. Antalic, A. Barzakh, N. Bree, T. E. Cocolios, V. F. Comas, J. Diriken, D. Fedorov, V. Fedossejev, S. Franchoo, J. A. Heredia, O. Ivanov, U. Köster, B. A. Marsh, K. Nishio, R. D. Page, N. Patronis, M. Seliverstov, I. Tsekhanovich, P. Van den Bergh, J. Van De Walle, M. Venhart, S. Vermote, M. Veselsky, C. Wagemans, T. Ichikawa, A. Iwamoto, P. Möller, and A. J. Sierk

**Physical Review Letters 105 (2010) 252501**; *Discovery of the Shape Coexisting  $0^+_2$  State in  $^{32}\text{Mg}$  by a Two Neutron Transfer Reaction*; K. Wimmer, T. Kröll, R. Krućken, V. Bildstein, R. Gernhäuser, B. Bastin, N. Bree, J. Diriken, P. Van Duppen, M. Huyse, N. Patronis, P. Vermaelen, D. Voulot, J. Van de Walle, F. Wenander, L. M. Fraile, R. Chapman, B. Hadinia, R. Orlandi, J. F. Smith, R. Lutter, P. G. Thirolf, M. Labiche, A. Blazhev, M. Kalkühler, P. Reiter, M. Seidlitz, N. Warr, A. O. Macchiavelli, H. B. Jeppesen, E. Fiori, G. Georgiev, G. Schrieder, S. Das Gupta, G. Lo Bianco, S. Nardelli, J. Butterworth, J. Johanse and K. Riisager

**Physical Review C, Nuclear Physics 82 (2010) 064309**; *Coulomb excitation of  $^{73}\text{Ga}$* ; Diriken J., Stefanescu I., Balabanski D., Blasi N., Blazhev A., Bree N., Cederkall J., Cocolios T., Davinson T., Eberth J., Ekstrom A., Fedorov D., Fedossejev V., Fraile L., Franchoo S., Georgiev G., Gladnishi K., Huyse M., Ivanov O., Ivanov V., Iwanicki J., Jolie J., Konstantinopoulos T., Kroll T., Kruecken R., Koester U., Lagoyannis A., Lo Bianco G., Maierbeck P., Marsh B., Napiorkowski P., Patronis N., Pauwels D., Reiter P., Seliverstov M., Sletten G., Van de Walle J., Van Duppen P., Voulot D., Walters W., Warr N., Wenander F., Wrzosek K. (IF 2006: 3.48).

**Journal of Physics G, Nuclear and Particle Physics 37 (2010) 125103**; **G/358576/PAP/252356**; *Structure of  $^{191}\text{Pb}$  from  $\alpha$ - and  $\beta$ -decay spectroscopy*; Cocolios T., Andreyev A., Antalic S., Barzakh A., Bastin B., Büscher J., Darby I., Dexters W., Fedorov D., Fedossejev V., Flanagan K., Franchoo S., Huber G., Huyse M., Keupers M., Köster U., Kudryavtsev I., Man'è E., Marsh B., Molkanov P., Page R., Seliverstov M., Sjoedin A., Stefan I., Van de Walle J., Van Duppen P., Venhart M., Zemlyanoy S. (IF 2006: 2.12).

**Physical Review C, Nuclear Physics 82 (2010) 027304-1-027304-4; 027304**; *Pairing-excitation versus intruder states in  $^{68}\text{Ni}$  and  $^{90}\text{Zr}$* ; Pauwels D., Wood J., Heyde K., Huyse M., Julin R., Van Duppen P. (IF 2006: 3.48) (Cit. : 1).

**Physical Review C, Nuclear Physics 81 (2010) 064319**; *Abrupt changes in alpha-decay systematics as a manifestation of collective nuclear modes*; Qi C., Andreev A., Huyse M., Liotta R., Van Duppen P., Wyss R. (IF 2006: 3.48) (Cit. : 0).

**Physical Review C, Nuclear Physics 81 (2010) 024303**; *R-matrix analysis of the beta decays of  $^{12}\text{N}$  and  $^{12}\text{B}$* ; Hyldegaard S., Alcorta M., Bastin B., Borge M., Boutami R., Brandenburg S., Büscher J., Dendooven P., Diget C., Van Duppen P., Eronen T., Fox S., Fraile L., Fulton B., Fynbo H., Huikari J., Huyse M., Jeppesen H., Jokinen A., Jonson B., Jungmann K., Kankainen A., Kirsebom O., Madurga M., Moore I., Nieminen A., Nilsson T., Nyman G., Onderwater G., Penttilä H., Perajarvi K., Raabe R., Riisager K., Rinta-Antila S., Rogachevskiy A., Sastamoinen

A., Sohani M., Tengblad O., Traykov E., Wang Y., Wilhemsen K., Wilschut H., Aysto J. (IF 2006: 3.48) (Cit. : 2).

**Physical Review C, Nuclear Physics 81 (2010) 014314**; *Magnetic dipole moments of 57,58,59Cu*; Cocolios T., Andreev A., Bastin B., Bree N., Büscher J., Elseviers J., Gentens J., Huyse M., Koudriavtsev I., Pauwels D., Sonoda T., Van den Bergh P., Van Duppen P. (IF 2006: 3.48).

**Journal of Physics G, Nuclear and Particle Physics 37 (2010) 035102**; *The new isotope 179Pb and alpha-decay properties of 179Tlm*; Andreev A., Antalic S., Ackermann D., Cocolios T., Comas V., Elseviers J., Franchoo S., Heinz S., Heredia J., Hessberger F., Hofmann S., Huyse M., Khuyagbaatar J., Kojouharov I., Kindler B., Lommel B., Mann R., Page R., Rinta-Antila S., Sapple P., Saro S., Van Duppen P., Venhart M., Watkins H. (IF 2006: 2.12) (Cit. : 1).

**Physical Review C, Nuclear Physics 80 (2009) 054322**; *Alpha decay of 180,181Pb*; Andreev A., Antalic S., Ackermann D., Cocolios T., Comas V., Elseviers J., Franchoo S., Heinz S., Heredia J., Hessberger F., Hofmann S., Huyse M., Khuyagbaatar J., Kojouharov I., Kindler B., Lommel B., Mann R., Page R., Rinta-Antilla S., Sapple P., Saro S., Van Duppen P., Venhart M., Watkins H. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 4).

**Physical Review C, Nuclear Physics 80 (2009) 054307**; *Measurement of the branching ratio of the 6He beta-decay channel into the alpha+d continuum*; Raabe R., Büscher J., Ponsaers J., Aksouh F., Huyse M., Ivanov O., Leshner S., Mukha I., Pauwels D., Sawicka M., Smirnov D., Stefanescu I., Van de Walle J., Van Duppen P., Angulo C., Cabrera J., de Sereville N., Martel I., Sanchez-Benitez A., Diget C. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 0).

**Physical Review C, Nuclear Physics 80 (2009) 044334**; *Identification and decay of the 0.48ms 13/2+ isomer in 181Hg*; Andreev A., Antalic S., Ackermann D., Cocolios T., Comas V., Elseviers J., Franchoo S., Heinz S., Heredia J., Hessberger F., Hofmann S., Huyse M., Khuyagbaatar J., Kojouharov I., Kindler B., Lommel B., Mann R., Page R., Rinta-Antilla S., Sapple P., Saro S., Van Duppen P., Venhart M., Watkins H. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 0).

**Physical Review C, Nuclear Physics 80 (2009) 034307**; *Beta-decay study of 77Cu*; Patronis N., De Witte H., Gorska M., Huyse M., Krouglov K., Pauwels D., Van de Vel K., Van Duppen P., Van Roosbroeck J., Thomas J., Franchoo S., Cederkall J., Fedoseyev V., Fynbo H., Georg U., Jonsson O., Koster U., Materna T., Mathieu L., Serot O., Weissman L., Mueller W., Mishin V., Fedorov D. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 2).

**Physical Review Letters 103 (2009) 102501**; *Magnetic Dipole Moment of 57;59Cu Measured by In-Gas-Cell Laser Spectroscopy*; Cocolios T., Andreev A., Bastin B., Bree N., Büscher J., Elseviers J., Gentens J., Huyse M., Koudriavtsev I., Pauwels D., Sonoda T., Van den Bergh P., Van Duppen P. (IF PY: 7.33) (IF 2006: 7.33) (Cit. : 9).

**Nuclear Instruments & Methods in Physics Research B 267 (2009) 2918-2926**; *The Laser Ion Source Trap (LIST) coupled to a gas cell catcher*; Sonoda T., Cocolios T., Gentens J., Huyse M., Ivanov O., Koudriavtsev I., Pauwels D., Van den Bergh P., Van Duppen P. (IF PY: 1.16) (IF 2006: 1.16) (Cit. : 4).

**Nuclear Instruments & Methods in Physics Research B 267 (2009) 2908-2917**; *Dual chamber laser ion source at LISOL*; Koudriavtsev I., Cocolios T., Gentens J., Huyse M., Ivanov O., Pauwels D., Sonoda T., Van den Bergh P., Van Duppen P. (IF PY: 1.16) (IF 2006: 1.16) (Cit. : 6).

**European Physical Journal A, Hadrons and Nuclei 41 (2009) 315-321**; *Charge radii and magnetic moments of odd-A 183-189Pb isotopes*; Seliverstov M., Andreev A., Barre N., Barzakh A., Dean S., De Witte H., Fedorov D., Fedoseyev V., Fraile L., Franchoo S., Genevey J., Huber G., Huyse M., Koster U., Kunz P., Leshner S., Marsh B., Mukha I., Roussiere B., Sauvage J., Stefanescu I., Van de Vel K., Van Duppen P., Volkov Y. (IF PY: 1.97) (IF 2006: 1.97) (Cit. : 7).

**Physical Review C, Nuclear physics 80 (2009) 024302**; *Decay of the 9/2- isomer in 181Tl and mass determination of low-lying states in 181Tl, 177Au and 173Ir*; Andreev A., Antalic S., Ackermann D., Cocolios T., Comas V., Elseviers J., Franchoo S., Heinz S., Heredia J., Hessberger F., Huyse M., Khuyagbaatar J., Kojouharov I., Kindler B., Lommel B., Mann R., Page R., Rinta-Antila S., Sapple P., Saro S., Van Duppen P., Venhart M., Watkins H. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 5).

**Physics Letters B 678 (2009) 459-464**; *Precise branching ratios to unbound 12C states from 12N and 12B beta-decays*; Hyldegaard S., Forssen C., Diget C., Alcorta M., Barker F., Bastin B., Borge M., Boutami R., Brandenburg S., Büscher J., Dendooven P., Van Duppen P., Eronen T., Fox S., Fulton B., Fynbo H., Huikari J., Huyse M., Jeppesen H., Jokinen A., Jonson B., Jungmann K., Kankainen A., Kirsebom O., Madurga M., Moore I., Navratil P., Nilsson T., Nyman G., Onderwater G., Penttila H., Perajarvi K., Raabe R., Riisager K., Rinta-Antila S., Rogachevskiy A., Saastamoinen A., Sohani M., Tengblad O., Traykov E., Vary J., Wang Y., Wilhelmsen K., Wilschut H., Aysto J. (IF PY: 5.08) (IF 2006: 5.08) (Cit. : 4).

**Physical Review C, Nuclear Physics 79 (2009) -; 064320**; *Alpha decay of At-194*; Andreev A., Antalic S., Ackermann D., Bianco L., Franchoo S., Heinz S., Hessberger F., Hofmann S., Huyse M., Kojouharov I., Kindler B., Lommel B., Mann R., Nishio K., Page R., Ressler J., Sapple P., Streicher B., Saro S., Sulignano B., Thomson J., Van Duppen P., Venhart M. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 3).

**European Physical Journal A, Hadrons and Nuclei 42 (2009) 401-406**; *In-trap decay of 61Mn and Coulomb excitation of 61Mn/61Fe*; Van de Walle J., Bildstein V., Bree N., Cederkall J., Delahaye P., Diriken J., Ekstrom A., Fedosseev V., Gernhauser R., Gustafsson A., Herkert A., Huyse M., Ivanov O., Kroll T., Krucken R., Marsh B., Patronis N., Van Duppen P., Voulot D., Warr N., Wenander F., Wimmer K., Lenzi S. (IF PY: 1.97) (IF 2006: 1.97) (Cit. : 1).

**Physical Review C, Nuclear physics 79 (2009) 044325**; *Evidence for a beta-decaying 1/2- isomer in 71Ni*; Stefanescu I., Pauwels D., Bree N., Cocolios T., Diriken J., Franchoo S., Huyse M., Ivanov O., Koudriavtsev I., Patronis N., Van de Walle J., Van Duppen P., Walters W. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 2).

**Physical Review C, Nuclear physics 79 (2009) 044309**; *Structure of 65,67Co studied through the beta decay of 65,67Fe and a deep-inelastic reaction*; Pauwels D., Ivanov O., Bree N., Büscher J., Cocolios T., Huyse M., Koudriavtsev I., Raabe R., Sawicka M., Van de Walle J., Van Duppen P., Korgul A., Stefanescu I., Hecht A., Hoteling N., Wohr A., Walters W., Broda R., Fornal B., Krolas W., Pawlat T., Wrzesinski J., Carpenter M., Janssens R., Lauritsen T., Seweryniak D., Zhu S., Stone J., Wang X. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 2).

**AIP Conference Proceedings 1104 (2009) 132-137**; *Restoration of RI-beams from a projectile fragment separator by Laser Ionization gas Catcher -PALIS-*; Sonoda T., Wada M., Takamine A., Okada K., Schury P., Yoshida A., Kubo T., Matsuo Y., Furukawa T., Wakui T., Shinozuka T., Imura H., Yamazaki Y., Katayama I., Ohtani S., Wollnik H., Schuessler H., Koudriavtsev I., Van Duppen P., Huyse M. (Cit. : 0).

**AIP Conference Proceedings 1090 (2009) 414-418**; *Lifetime measurements and Coulomb excitation of light Hg nuclei*; Petts A., Butler P., Grahn T., Blazhev A., Bree N., Bruyneel B., Cederkall J., Clement E., Cocolios T., Dewald A., Eberth J., Fraile L., Fransen C., Gomez Hornillos M., GreenLees P., Gorgen A., Guttormsen M., Hadynska K., Helariutta K., Herzberg R., Huyse M., Jenkins D., Jolie J., Jones P., Julin R., Juutinen S., Ketelhut S., Knapen S., Kroll T., Krucken R., Larsen A., Leino M., Ljungvall J., Maierbeck P., Marley P., Melon B., Napiorkowski P., Nyman M., Page R., Pakarinen J., Pascovici G., Patronis N., Peura P., Piselli E., Pissulla T., Rahkila P., Reiter P., Saren J., Scheck M., Scholey C., Semchenkov A., Siem S., Stefanescu I., Sorri J., Uusitalo J., Van de Walle J., Van Duppen P., Voulot D., Wadsworth R., Warr N., Weisshaar D., Wenander F., Sielinska M. (Cit. : 1).

**Physical Review C, Nuclear physics 79 (2009) 1-13; 014309**; *Low-energy Coulomb excitation of neutron-rich zinc isotopes*; Van de Walle J., Aksouh F., Behrens T., Bildstein V., Blazhev A., Cederkall J., Clement E., Cocolios T., Davinson T., Delahaye P., Eberth J., Ekstrom A., Fedorov D., Fedosseev V., Fraile L., Franchoo S., Gernhauser R., Georgiev G.,

Habs D., Heyde K., Huber G., Huyse M., Ibrahim F., Ivanov O., Iwanicki J., Jolie J., Kester O., Kroll T., Krucken R., Lauer M., Lisetskiy A., Lutter R., Marsh B., Mayet P., Niedermaier O., Pantea M., Raabe R., Reiter P., Sawicka M., Scheit H., Schrieder G., Schwalm D., Seliverstov M., Sieber T., Sletten G., Smirnova N., Stanoiu M., Stefanescu I., Thomas J., Valiente-Dobon J., Van Duppen P., Verney D., Voulot D., Warr N., Weisshaar D., Wenander F., Wolf B., Zielinska M. (IF PY: 3.48) (IF 2006: 3.48) (Cit. : 6).

**The European physical journal. A: Hadrons and nuclei 39 (2009) 33-48;** *Nuclear structure of  $^{189}\text{Tl}$  states studied via  $\beta^+/\text{EC}$  decay and laser spectroscopy of  $^{189\text{m}}\text{gPb}$* ; Sauvage J., Genevey J., Roussiere B., Franchoo S., Andreyev A., Barre N., Clavelin J., De Witte H., Fedorov D., Fedoseyev V., Fraile L., Grave X., Huber G., Huyse M., Jeppesen H., Koster U., Kunz P., Leshner S., Marsh B., Mukha I., Oms J., Seliverstov M., Stefanescu I., Van de Vel K., Van de Walle J., Van Duppen P., Volkov Y. (IF PY: 1.97) (IF 2006: 1.97) (Cit. : 4).

**Physical Review Letters 101 (2008) 212501; 212501;** *Beta-delayed deuteron emission from  $^{11}\text{Li}$ : decay of the halo*; Raabe R., Andreyev A., Borge M., Buchmann L., Capel P., Fynbo H., Huyse M., Kanungo R., Kirchner T., Mattoon C., Morton A., Mukha I., Pearson J., Ponsaers J., Ressler J., Riisager K., Ruiz C., Ruprecht G., Sarazin F., Tengblad O., Van Duppen P., Walden P. (IF PY: 7.18) (IF 2006: 7.33) (Cit. : 3).

**Physical Review C, Nuclear physics 78 (2008) 041307(R);** *Shape isomerism at  $N = 40$ : Discovery of a proton intruder state in  $^{67}\text{Co}$* ; Pauwels D., Ivanov O., Bree N., Büscher J., Cocolios T., Gentens J., Huyse M., Korgul A., Koudriavtsev I., Raabe R., Sawicka M., Stefanescu I., Van de Walle J., Van den Bergh P., Van Duppen P., Walters W. (IF PY: 3.12) (IF 2006: 3.48) (Cit. : 6).

**Physical Review C, Nuclear physics 78 (2008) 047301;** *Coulomb excitation of  $^{68/28}\text{Ni}40$  at "safe" energies*; Bree N., Stefanescu I., Butler P., Cederkall J., Davinson T., Delahaye P., Eberth J., Fedorov D., Fedosseev V., Fraile L., Franchoo S., Georgiev G., Gladnishki K., Huyse M., Ivanov O., Koster U., Kroll T., Krucken R., Marsh B., Niedermaier O., Reiter P., Scheit H., Schwalm D., Sieber T., Van de Walle J., Van Duppen P., Warr N., Weisshaar D., Wenander F., Zemlyanoy S. (IF PY: 3.12) (IF 2006: 3.48) (Cit. : 8).

**Nuclear Instruments & Methods in Physics Research B 266 (2008) 4368-4372;** *Characterization of the LISOL laser ion source using spontaneous fission of  $^{252}\text{Cf}$* ; Koudriavtsev I., Cocolios T., Gentens J., Ivanov O., Huyse M., Pauwels D., Sawicka M., Sonoda T., Van den Bergh P., Van Duppen P. (IF PY: 1.0) (IF 2006: 1.16) (Cit. : 1).

**Nuclear Instruments & Methods in Physics Research B 266 (2008) 4403-4406;** *Resonant laser ionization of polonium at RILIS-ISOLDE for the study of ground- and isomer-state properties*; Cocolios T., Marsh B., Fedosseev V., Franchoo S., Huber G., Huyse M., Ionan A., Johnston K., Koster U., Koudriavtsev I., Seliverstov M., Noah E., Stora T., Van Duppen P. (IF PY: 1.0) (IF 2006: 1.16) (Cit. : 3).

**Physical review letters 101 (2008) -; 012502;**  *$0(g_s)(+) \rightarrow 2(1)(+)$  transition strengths in  $\text{Sn-106}$  and  $\text{Sn-108}$* ; Ekstroem A., Cederkaell J., Fahlander C., Hjorth-Jensen M., Ames F., Butler P., Davinson T., Eberth J., Fincke F., Goergen A., Gorska M., Habs D., Hurst A., Huyse M., Ivanov O., Iwanicki J., Kester O., Koester U., Marsh B., Mierzejewski J., Reiter P., Scheit H., Schwalm D., Siem S., Sletten G., Stefanescu I., Tveten G., de Walle J., Van Duppen P., Voulot D., Warr N., Weisshaar D., Wenander F., Zielinska M. (IF PY: 7.18) (IF 2006: 7.33) (Cit. : 11).

**Nuclear Instruments & Methods in Physics Research B 266 (2008) 4493-4497;** *Online test of the FRS Ion Catcher at GSI*; Petrick M., Plass W., Behr K., Brunle A., Caceres L., Clark J., Di Z., Elisseev S., Facina M., Fettouhi A., Geissel H., Huller W., Huyse M., Karagiannis C., Kindler B., Knobel R., Koudriavtsev I., Kurcewicz J., Levant T., Litvinov Y., Lommel B., Maier M., Morrisswy D., Munzenberg G., Portillo M., Savard G., Scheidenberger C., Van Duppen P., Weick H., Winkler M., Zabransky B. (IF PY: 1.0) (IF 2006: 1.16) (Cit. : 4).

**Nuclear Instruments & Methods in Physics Research B 266 (2008) 4652-4656;** *Beta-decay studies with an implantation technique*; Büscher J., Ponsaers J., Raabe R., Huyse M., Van Duppen P., Aksouh F., Smirnov D., Fynbo H., Hyldegaard S., Diget C. (IF PY: 1.0) (IF 2006:

1.16) (Cit. : 0).

**Nuclear Instruments & Methods in Physics Research B 266 (2008) 4600-4605;** *Decay correlations in the seconds range with laser-ionized, mass-separated beams;* Pauwels D., Ivanov O., Büscher J., Cocolios T., Gentens J., Huyse M., Korgul A., Koudriavtsev I., Raabe R., Sawicka M., Stefanescu I., Van de Walle J., Van den Bergh P., Van Duppen P. (IF PY: 1.0) (IF 2006: 1.16) (Cit. : 4).

**Nuclear Physics A 803 (2008) 30-45;** *Study of the elastic scattering of  $^6\text{He}$  on  $^{208}\text{Pb}$  at energies around the Coulomb barrier;* Sanchez-Benitez A., Escrig D., Alvarez M., Andres M., Angulo C., Borge M., Cabrera J., Cherubini F., Demaret P., Espino J., Figuera P., Freer M., Garcia-Ramos J., Gomez-Camacho J., Gulino M., Kakuee O., Martel I., Metelko C., Moro A., Perez-Bernal F., Rahighi J., Rusek K., Smirnov D., Tengblad O., Van Duppen P., Ziman V. (IF PY: 1.96) (IF 2006: 1.71) (Cit. : 30).

**Physical Review Letters 100 (2008) 112502;** *Interplay between single-particle and collective effects in the odd-A Cu isotopes beyond  $N=40$ ;* Stefanescu I., Georgiev G., Balabanski D., Blasi N., Blazhev A., Bree N., Cederkaell J., Cocolios T., Davinson T., Diriken J., Eberth J., Ekstroem A., Fedorov D., Fedosseev V., Fraile L., Franchoo S., Gladnishki K., Huyse M., Ivanov O., Ivanov V., Iwanicki J., Jolie J., Konstantinopoulos T., Kroell T., Kruecken R., Koester U., Lagoyannis A., Lo Bianco G., Maierbeck P., Marsh B., Napiorkowski P., Patronis N., Pauwels D., Rainovski G., Reiter P., Riisager K., Seliverstov M., Sletten G., Van de Walle J., Van Duppen P., Voulot D., Warr N., Wenander F., Wrzosek K. (IF PY: 7.18) (IF 2006: 7.33) (Cit. : 16).

**Journal of Physics G, Nuclear and Particle Physics 34 (2008) 1-6; 014041;** *Gamow–Teller transitions in exotic  $pf$ -shell nuclei relevant to supernova explosion;* Fujita Y., Rubio B., Adachi T., Molina F., Algora A., Berg G., von Brentano P., Buscher J., Cocolios T., De Frenne D., Fransen C., Fujita H., Fujita K., Gelletly W., Gentens J., Hatanaka K., Huyse M., Ivanov O., Koudriavtsev I., Jacobs E., Jordan D., Nakanishi K., Negret A., Pauwels D., Perez-Cerdan A., Pietralla N., Podolyak Z., Popescu L., Raabe R., Sakemi Y., Sawicka M., Shimbara Y., Shimizu Y., Shizuma T., Tameshige Y., Tamii A., Van den Bergh P., J Van de Walle J., Van Duppen P., Yosoi M., Zell K. (IF PY: 5.27) (IF 2006: 2.12) (Cit. : 0).

**Physical Review Letters 99 (2007) 142501;** *Coulomb excitation of neutron-rich Zn isotopes: First observation of the  $2(1)^+$  state in  $\text{Zn-80}$ ;* Van de Walle J., Aksouh F., Ames F., Behrens T., Bildstein V., Blazhev A., Cederkaell J., Clement E., Cocolios T., Davinson T., Delahaye P., Eberth J., Ekstrom A., Fedorov D., Fedosseev V., Fraile L., Franchoo S., Gernhauser R., Georgiev G., Habs D., Heyde K., Huber G., Huyse M., Ibrahim F., Ivanov O., Iwanicki J., Jolie J., Kester O., Koester U., Kroell T., Kruecken R., Lauer M., Lisetskiy A., Lutter R., Marsh B., Mayet P., Niedermaier O., Nilsson T., Pantea M., Perru O., Raabe R., Reiter P., Sawicka M., Scheit H., Schrieder G., Schwalm D., Seliverstov M., Sieber T., Sletten G., Smirnova N., Stanoiu M., Stefanescu I., Thomas J., Valiente-Dobon J., Van Duppen P., Verney D., Voulot D., Warr N., Weisshaar D., Wenander F., Wolf B., Zielinska M. (IF PY: 6.94) (IF 2006: 7.33) (Cit. : 21).

**Progress in Particle and Nuclear Physics 59 (2007) 361-363;** *Coulomb excitation of  $^{88}\text{Kr}$  and  $^{92}\text{Kr}$  in inverse kinematics;* Mucher D., Iwanicki J., Blazhev A., Van Duppen P., Fransen C., Jolie J., Linnemann A., Mierzejewski J., Stefanescu I., Van de Walle J., Warr N., Wrzosek K. (IF PY: 4.1) (IF 2006: 3.56) (Cit. : 2).

**Acta Physica Polonica B 38 (2007) 1121-1127;** *One-proton and two-proton radioactivity of the  $(21^+)$  isomer in  $^{94}\text{Ag}^*$ ;* Roeckl E., Mukha I., Batist L., Blazhev A., Doering J., Grawe H., Grigorenko L., Huyse M., Janas Z., Kirchner R., La Commara M., Mazzocchi C., Tabor S., Van Duppen P. (IF PY: 0.66) (IF 2006: 0.65) (Cit. : 3).

**Physical Review Letters 98 (2007) 112502;** *Nuclear charge radii of neutron-deficient lead isotopes beyond  $N=104$  midshell investigated by in-source laser spectroscopy;* De Witte H., Andreyev A., Barre N., Bender M., Cocolios T., Dean S., Fedorov D., Fedoseyev V., Fraile L., Franchoo S., Hellemans V., Heenen P., Heyde K., Huber G., Huyse M., Jeppessen H., Koster U., Kunz P., Leshner S., Marsh B., Mukha I., Roussiere B., Sauvage J., Seliverstov M.,

Stefanescu I., Tengborn E., Van de Vel K., Van de Walle J., Van Duppen P., Volkov Y. (IF PY: 6.94) (IF 2006: 7.33) (Cit. : 21).

**Physical Review Letters 98 (2007) 072501**; *No evidence for oblate shape in  $^{70}\text{Se}$ : Measurement of the sign of the spectroscopic quadrupole moment for the  $2^+$  state*; Hurst A., Butler P., Jenkins D., Delahaye P., Wenander F., Ames F., Barton C., Behrens T., Baurger A., Cederkall J., Clement E., Czosnyka T., Davinson T., de Angelis G., Eberth J., Ekstrom A., Franchoo S., Georgiev G., Gorgen A., Herzberg R., Huyse M., Ivanov O., Iwanicki J., Jones G., Kent P., Koster U., Kroll T., Krucken R., Larsen A., Nespolo M., Pantea M., Paul E., Petri M., Scheit H., Sieber T., Siem S., Smith J., Steer A., Stefanescu I., Syed N., Van de Walle J., Van Duppen P., Wadsworth R., Warr N., Weisshaar D., Zielinska M. (IF PY: 6.94) (IF 2006: 7.33) (Cit. : 13).

**Physical Review Letters 98 (2007) 122701**; *Coulomb excitation of  $^{68,70}\text{Cu}$ ; first use of post-accelerated isomeric beams*; Stefanescu I., Georgiev G., Ames F., Aysto J., Balabanski D., Bollen G., Butler P., Cederkall J., Champault N., Davinson T., De Maesschalck A., Delahaye P., Eberth J., Fedorov D., Fedosseev V., Fraile L., Franchoo S., Gladnishki K., Habs D., Heyde K., Huyse M., Ivanov O., Iwanicki J., Jolie J., Jonson B., Kroll T., Krucken R., Kester O., Koster U., Lagoyannis A., Liljeby L., Lo Bianco G., Marsh B., Niedermaier O., Nilsson T., Oinonen M., Pascovici G., Reiter P., Saltarelli A., Scheit H., Schwalm D., Sieber T., Smirnova N., Van De Walle J., Van Duppen P., Zemlyanoi S., Warr N., Weisshaar D., Wenander F. (IF PY: 6.94) (IF 2006: 7.33) (Cit. : 19).

**Physical Review Letters 98 (2007) 172501**; *Sub-barrier Coulomb Excitation of  $^{110}\text{Sn}$  and its Implications for the  $^{100}\text{Sn}$  Shell-closure*; Cederkall J., Ekstrom A., Fahlander C., Hurst A., Hjorth-Jensen M., Ames F., Banu A., Butler P., Davinson T., Datta Pramanik U., Eberth J., Franchoo S., Georgiev G., Gorska M., Habs D., Huyse M., Ivanov O., Iwanicki J., Kester O., Koster U., Marsh B., Niedermaier O., Nilsson T., Reiter P., Scheit H., Schwalm D., Sieber T., Sletten G., Stefanescu I., Van de Walle J., Wenander F., Van Duppen P., Warr N., Weisshaar D. (IF PY: 6.94) (IF 2006: 7.33) (Cit. : 19).

**Acta Physica Polonica B 38 (2007) 1557-1560**; *The new isotopes in Po-Rn region*; Antalic S., Andreyev A., Ackermann D., Bianco L., Cullen D., Darby I., Franchoo S., Heinz S., Hessberger F., Hofmann S., Huyse M., Kindler B., Kojouharov I., Leppanen A., Leshner S., Lommel B., Mann R., Muenzenberg G., Nishio K., Page R., Pakarinen J., Ressler J., Saro S., Streicher B., Sulignano B., Thomson J., Van Duppen P., Venhart M., Wiseman D., Wyss R. (IF PY: 0.66) (IF 2006: 0.65) (Cit. : 1).

**Progress in Particle and Nuclear Physics 59 (2007) 386-388**; *A new setup for transfer reactions at REX-ISOLDE*; Bildstein V., Gernhauser R., Kroll T., Krucken R., Raabe R., Van Duppen P. (IF PY: 4.1) (IF 2006: 3.56) (Cit. : 2).

**Physical Review C 74 (2006) 064303**; *alpha decay of the new isotopes  $\text{Rn-193}$ ,  $\text{Rn-194}$* ; Andreyev A., Antalic S., Huyse M., Van Duppen P., Ackermann D., Bianco L., Cullen D., Darby I., Franchoo S., Heinz S., Hessberger F., Hofmann S., Kojouharov I., Kindler B., Leppanen A., Lommel B., Mann R., Muenzenberg G., Pakarinen J., Page R., Ressler J., Saro S., Streicher B., Sulignano B., Thomson J., Wyss R. (IF PY: 3.33) (IF 2006: 3.48) (Cit. : 6).

**Physical Review C 74 (2006) 054309**; *beta-decay properties of  $\text{Ni-72}$  and  $\text{Cu-72}$* ; Thomas J., De Witte H., Gorska M., Huyse M., Kruglov K., Koudriavtsev I., Pauwels D., Prasad N., Van de Vel K., Van Duppen P., Van Roosbroeck J., Franchoo S., Cederkall J., Fynbo H., Georg U., Jonsson O., Koester U., Weissman L., Mueller W., Fedosseev V., Mishin V., Fedorov D., De Maesschalck A., Smirnova N. (IF PY: 3.33) (IF 2006: 3.48) (Cit. : 6).

**International Journal of Modern Physics E, Nuclear Physics 15 (2006) 1505-1512**; *First use of post-accelerated isomeric beams for Coulomb excitation studies of odd-odd nuclei around  $N=40$* ; Georgiev G., Stefanescu I., Balabanski D., Butler P., Cederkaell J., Davinson T., Delahaye P., Fedosseev V., Fraile L., Franchoo S., Gladnishki K., Heyde K., Huyse M., Ivanov O., Iwanicki J., Kroell T., Koester U., Lagoyannis A., Lo Bianco G., De Maesschalck A., Saltarelli A., Sieber T., Smirnova N., Van Duppen P., Warr N., Wenander F., Van de Walle J. (IF PY: 0.81) (IF 2006: 0.64) (Cit. : 1).

**Physica Scripta T125 (2006) 190-191**; *Coulomb excitation of Sn-110 using REX-ISOLDE*; Ekstrom A., Cederkall J., Hurst A., Fahlander C., Banu A., Butler P., Eberth J., Gorska M., Habs D., Huyse M., Kester O., Niedermayer O., Nilsson T., Pantea M., Scheit H., Schwalm D., Sletten G., Ushasi D., Van Duppen P., Warr N., Weisshaar D. (IF PY: 1.16) (IF 2006: 1.09) (Cit. : 0).

**Hyperfine Interactions 171 (2006) 225-231**; *Study of the neutron deficient Pb182-190 isotopes by simultaneous atomic- and nuclear-spectroscopy*; Seliverstov M., Andreyev A., Barre N., De Witte H., Fedorov D., Fedoseyev V., Franchoo S., Genevey J., Huber G., Huyse M., Koster U., Kunz P., Leshner S., Marsh B., Roussiere B., Sauvage J., Van Duppen P., Volkov Y. (IF PY: 0.27) (IF 2006: 0.21) (Cit. : 2).

**Physical Review C 73 (2006) 064304**; *alpha-decay hindrance factors: A probe of mean-field wave function*; Karlgren D., Liotta R., Wyss R., Huyse M., Van de Vel K., Van Duppen P. (IF PY: 3.33) (IF 2006: 3.48) (Cit. : 11).

**Physical Review C 73 (2006) 044324**; *alpha-decay of the new isotope Po-187: Probing prolate structures beyond the neutron mid-shell at N=104*; Andreyev A., Antalic S., Ackermann D., Franchoo S., Hessberger F., Hofmann S., Huyse M., Kojouharov I., Kindler B., Kuusiniemi P., Leshner S., Lommel B., Mann R., Munzenberg G., Nishio K., Page R., Ressler J., Streicher B., Saro S., Sulignano B., Van Duppen P., Wiseman D., Wyss R. (IF PY: 3.33) (IF 2006: 3.48) (Cit. : 8).

**Physical Review C, Nuclear physics 73 (2006) -; 024317**; *alpha-decay spectroscopy of the new isotope At-192*; Andreyev A., Antalic S., Ackermann D., Franchoo S., Hessberger F., Hofmann S., Huyse M., Kojouharov I., Kindler B., Kuusiniemi P., Leshner S., Lommel B., Mann R., Munzenberg G., Nishio K., Page R., Ressler J., Streicher B., Saro S., Sulignano B., Van Duppen P., Wiseman D. (IF PY: 3.33) (IF 2006: 3.48) (Cit. : 5).

**Nature 439 (2006) 298-302**; *Proton-proton correlations observed in two-proton radioactivity of Ag-94*; Mukha I., Roeckl E., Batist L., Blazhev A., Doring J., Grawe H., Grigorenko L., Huyse M., Janas Z., Kirchner R., La Commara M., Mazzocchi C., Tabor S., Van Duppen P. (IF PY: 26.68) (IF 2006: 34.48) (Cit. : 59).

**Physics Letters B 635 (2006) 17-22**; *Investigation of the  $^9\text{Li} + \text{H} \rightarrow ^8\text{Li} + t$  reaction at Rex-Isolde*; Jeppesen H., Ames F., Van Den Bergh P., Bergmann U., Bollen G., Borge M., Cederkäll J., Van Duppen P., Emhofer S., Forstner O., Fraile L., Fynbo H., Gomez-Camacho J., Habs D., von Hahn R., Huber G., Huyse M., Johansson H., Jonson B., Kester O., Liljeby L., Meister M., Moro A., Nilsson T., Nyman G., Onionen M., Pantea M., Podlech H., Ratzinger U., Reisinger K., Rensfelt K., Repnow R., Riisager K., Richter A., Rudolph K., Scheit H., Schempp A., Schmidt P., Schrieder G., Schwalm D., Sieber T., Simon H., Tengblad O., Tengborn E., Turrión M., Weissman L., Wenander F., Wolf B. (IF PY: 5.04) (IF 2006: 5.08) (Cit. : 7).

**The Euroschool Lectures of Physics with Exotic Beams Vol. II, Lectures Notes Physics 700 (2006) 37-77**; *Isotope Separation On Line and Post Acceleration*; Van Duppen P..

**Journal of Physics G: Nuclear and Particle Physics 31 (2005) S1953-S1958**; *Scattering of He-6 at energies around the Coulomb barrier*; Sánchez-Benítez A., Escrig D., Álvarez M., Andrés M., Angulo C., Borge M., Cabrera J., Cherubini S., Espino J., Figuera P., Freer M., García-Ramos J., Gómez-Camacho J., Gulino M., Kakuee O., Martel I., Metelco C., Moro A., Rahighi J., Rusek K., Smirnov D., Tengblad O., Van Duppen P., Ziman V. (IF PY: 2.17) (IF 2006: 2.12) (Cit. : 11).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 547 (2005) 480-489**; *Application of a thin double-sided microstrip detector for the registration of beta-delayed charge particles: The He-6 beta decay into the two-body continuum of Li-6*; Smirnov D., Aksouh F., Dean S., De Witte H., Huyse M., Ivanov O., Mayet P., Mukha I., Raabe R., Thomas J., Van Duppen P., Angulo C., Cabrera J., Ninane A., Davinson T. (IF PY: 1.22) (IF 2006: 1.32) (Cit. : 8).

**Physical Review Letters 95 (2005) 022501**; *Observation of proton radioactivity of the  $(21^{+})$*

*high-spin isomer in Ag-94*; Mukha I., Roeckl E., Doring J., Batist L., Blazhev A., Grawe H., Hoffman C., Huyse M., Janas Z., Kirchner R., La Commara M., Mazzocchi C., Plettner C., Tabor S., Van Duppen P., Wiedeking M. (IF PY: 7.49) (IF 2006: 7.33) (Cit. : 27).

**Physical Review C 72 (2005) 014612**; *Cross section systematics for the lightest Bi and Po nuclei produced in complete fusion reactions with heavy ions*; Andreyev A., Ackermann D., Antalic S., Darby I., Franchoo S., Hessberger F., Hofmann S., Huyse M., Kuusiniemi P., Lommel B., Kindler B., Mann R., Munzenberg G., Page R., Saro S., Sulignano B., Streicher B., Van de Vel K., Van Duppen P., Wiseman D. (IF PY: 3.61) (IF 2006: 3.48) (Cit. : 4).

**Physical Review C 71 (2005) 054307**; *Evolution of the nuclear structure approaching Ni-78: beta decay of Cu74-78*; Van Roosbroeck J., De Witte H., Gorska M., Huyse M., Kruglov K., Pauwels D., Thomas J., Van de Vel K., Van Duppen P., Franchoo S., Cederkall J., Fedoseyev V., Fynbo H., Georg U., Jonsson O., Köster U., Weissman L., Mueller W., Mishin V., Fedorov D., De Maesschalck A., Smirnova N., Heyde K. (IF PY: 3.61) (IF 2006: 3.48) (Cit. : 12).

**European Physical Journal A 24 (2005) 57-62**; *Prolate structures in Po-189 and Pb-185*; Van de Vel K., Andreyev A., Ackermann D., Boardman H., Cagarda P., Gerl J., Hessberger F., Hofmann S., Huyse M., Karlgren D., Kojouharov I., Leino M., Lommel B., Münzenberg G., Moore C., Page R., Saro S., Van Duppen P., Wyss R. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 9).

**European Physical Journal A 23 (2005) 243-247**; *Alpha-decay of neutron-deficient Fr-200 and heavier neighbours*; De Witte H., Andreyev A., Dean S., Franchoo S., Huyse M., Ivanov O., Koster U., Kurcewicz W., Kurpeta J., Plochocki A., Van de Vel K., Van de Walle J., Van Duppen P. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 8).

**Nuclear Physics A 748 (2005) 374-392**; *Low energy reactions with radioactive ions at REX-ISOLDE - the  $9\text{Li}+2\text{H}$  case*; Jeppesen H., Ames F., Van Den Bergh P., Bergmann U., Bollen G., Borge M., Cederkäll J., Van Duppen P., Emhofer S., Forstner O., Fraile L., Fynbo H., Gomez-Camacho J., Habs D., von Hahn R., Huber G., Huyse M., Johansson H., Jonson B., Kester O., Liljeby L., Meister M., Moro A., Nilsson T., Nyman G., Onionen M., Pantea M., Podlech H., Ratzinger U., Reisinger K., Rensfelt K., Repnow R., Riisager K., Richter A., Rudolph K., Scheit H., Schempp A., Schmidt P., Schrieder G., Schwalm D., Sieber T., Simon H., Tengblad O., Tengborn E., Turrion M., Weissman L., Wenander F., Wolf B. (IF PY: 1.95) (IF 2006: 1.71) (Cit. : 10).

**Nuclear Physics A 752 (2005) 273c-278c**; *The neutron-rich Mg isotopes: first results from MINIBALL at REX-ISOLDE*; Niedermaier O., Scheit H., Bildstein V., Boie H., Fitting J., von Hahn R., Kock F., Lauer M., Pal U., Podlech H., Repnow R., Schwalm D., Alvarez C., Ames F., Bollen G., Emhofer S., Habs D., Kester O., Lutter R., Rudolph K., Pasini M., Thirolf P., Wolf B., Eberth J., Gersch G., Hess H., Reiter P., Thelen O., Warr N., Weisshaar D., Aksouh F., Van den Bergh P., Van Duppen P., Huyse M., Ivanov O., Mayet P., Van de Walle J., Aysto J., Butler P., Cederkall J., Delahaye P., Fynbo H., Fraile L., Forstner O., Franchoo S., Koster U., Nilsson T., Onionen M., Sieber T., Wenander F., Pantea M., Richter A., Schrieder G., Simon H., Behrens T., Gernhauser R., Kröll T., Krucken R., Munch M., Davinson T., Gerl J., Huber G., Hurst A., Iwanicki J., Jonson B., Lieb P., Liljeby L., Schempp A., Scherillo A., Schmidt P., Walter G. (IF PY: 1.95) (IF 2006: 1.71) (Cit. : 1).

**Physical Review Letters 94 (2005) 172501**; *"Safe" Coulomb excitation of Mg-30*; Niedermaier O., Scheit H., Bildstein V., Boie H., Fitting J., von Hahn R., Köck F., Lauer M., Pal U., Podlech H., Repnow R., Schwalm D., Alvarez C., Ames F., Bollen G., Emhofer S., Habs D., Kester O., Lutter R., Rudolph K., Pasini M., Thirolf P., Wolf B., Eberth J., Gersch G., Hess H., Reiter P., Thelen O., Warr N., Weisshaar D., Aksouh F., Van Den Bergh P., Van Duppen P., Huyse M., Ivanov O., Mayet P., Van de Walle J., Åystö J., Butler P., Cederkäll J., Delahaye P., Fynbo H., Fraile L., Forstner O., Franchoo S., Köster U., Nilsson T., Onionen M., Sieber T., Wenander F., Pantea M., Richter A., Schrieder G., Simon H., Behrens T., Gernhäuser R., Kröll T., Krücken R., Münch M., Davinson T., Gerl J., Huber G., Hurst A., Iwanicki J., Jonson B., Lieb P., Liljeby L., Schempp A., Scherillo A., Schmidt P., Walter G. (IF PY: 7.49) (IF 2006: 7.33) (Cit. : 34).

**European Physical Journal A, Hadrons and Nuclei 25 (2005) 397-402**; *Coulomb excitation of neutron-rich beams at REX-ISOLDE*; Scheit H., Niedermaier O., Niedermaier V., Boie H.,

Fitting J., von Hahn R., Köck F., Lauer M., Pal U., Podlech H., Repnow R., Schwalm D., Alvarez C., Ames F., Bollen G., Emhofer S., Habs D., Kester O., Lutter R., Rudolph K., Pasini M., Thirolf P., Wolf B., Eberth J., Gersch G., Hess H., Reiter P., Thelen O., Warr N., Weisshaar D., Aksouh F., Van Den Bergh P., Van Duppen P., Huyse M., Ivanov O., Mayet P., Van de Walle J., Åystö J., Butler P., Cederkäll J., Delahaye P., Fynbo H., Fraile L., Forstner O., Franchoo S., Köster U., Nilsson T., Oinonen M., Sieber T., Wenander F., Pantea M., Richter A., Schrieder G., Simon H., Behrens T., Gernhäuser R., Kröll T., Krücken R., Münch M., Davinson T., Gerl J., Huber G., Hurst A., Iwanicki J., Jonson B., Lieb P., Liljeby L., Schempp A., Scherillo A., Schmidt P., Walter G. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 3).

**Nuclear Physics A 746 (2004) 17c-21c; REX-ISOLDE - experiences from the first year of operation;** Cederkäll J., Ames F., Butler P., Delahaye P., Fedoseev V., Lindroos M., Nilsson T., Sieber T., Wenander F., Pantea M., Emhofer S., Habs D., Kester O., Rudolph K., von Hahn R., Niedermaier O., Scheit H., Schwalm D., Van Duppen P., Huyse M., Jonsson B., Nyman G., Eberth J., Reiter P., Weisshaar D. (IF PY: 2.11) (IF 2006: 1.71) (Cit. : 0).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 226 (2004) 401-418; A gas cell for thermalizing, storing and transporting radioactive ions and atoms. Part II: On-line studies with a laser ion source;** Facina M., Bruyneel B., Dean S., Gentens J., Huyse M., Koudriavtsev I., Van den Bergh P., Van Duppen P. (IF PY: 1.0) (IF 2006: 1.16) (Cit. : 16).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 533 (2004) 409-421; Conversion electron and beta decay spectroscopy at SHIP;** Andreyev A., Ackermann D., Hessberger F., Hofmann S., Huyse M., Munzenberg G., Page R., Van de Vel K., Van Duppen P. (IF PY: 1.35) (IF 2006: 1.32) (Cit. : 10).

**European Physical Journal A 21 (2004) 243-255; The beta decay of neutron-deficient rhodium and ruthenium isotopes;** Dean S., Gorska M., Aksouh F., de Witte H., Facina M., Huyse M., Ivanov O., Krouglov K., Koudriavtsev I., Mukha I., Smirnov D., Thomas J., Van de Vel K., Van de Walle J., Van Duppen P., Van Roosbroeck J. (IF PY: 1.61) (IF 2006: 1.97) (Cit. : 3).

**Physical Review C 69 (2004) 1-13; 054308; Shape-changing particle decays of Bi-185 and structure of the lightest odd-mass Bi isotopes;** Andreyev A., Ackermann D., Hessberger F., Heyde K., Hofmann S., Huyse M., Karlgren D., Kojouharov I., Kindler B., Lommel B., Münzenberg G., Page R., de Vel K., Van Duppen P., Walters W., Wyss R. (IF PY: 3.13) (IF 2006: 3.48) (Cit. : 14).

**Physical Review C 69 (2004) 1-6; 044305; First observation of the beta decay of neutron-rich Bi-218 by the pulsed-release technique and resonant laser ionization;** De Witte H., Andreyev A., Borzov I., Caurier E., Cederkäll J., De Smet H., Eeckhaudt S., Fedorov D., Fedosseev V., Franchoo S., Gorska M., Grawe H., Huber G., Huyse M., Janas Z., Köster U., Kurcewicz W., Kurpeta J., Plochocki A., Van de Vel K., Van Duppen P., Weissman L. (IF PY: 3.13) (IF 2006: 3.48) (Cit. : 5).

**Nuclear Physics A 734 (2004) 449-452; Beta-decay measurements of neutron-rich thallium, lead, and bismuth by means of resonant laser ionisation;** Franchoo S., De Witte H., Andreyev A., Cederkäll J., Dean S., De Smet H., Eeckhaudt S., Fedorov D., Fedosseev V., Gorska M., Huber G., Huyse M., Janas Z., Koster U., Kurcewicz W., Kurpeta J., Mayet P., Plochocki A., Van de Vel K., Van Duppen P., Weissman L. (IF PY: 2.11) (IF 2006: 1.71) (Cit. : 1).

**Physical Review C 69 (2004) 1-19; 034313; Coupling a proton and a neutron to the semidoubly magic nucleus Ni-68: A study of Cu-70 via the beta decay of Ni-70 and Cu-70;** Van Roosbroeck J., De Witte H., Gorska M., Huyse M., Kruglov K., Van de Vel K., Van Duppen P., Franchoo S., Cederkäll J., Fedoseyev V., Fynbo H., Georg U., Jonsson O., Koster U., Weissman L., Mueller W., Mishin V., Fedorov D., Walters W., Smirnova N., Van Dyck A., De Maesschalck A., Heyde K. (IF PY: 3.13) (IF 2006: 3.48) (Cit. : 17).

**Physical Review C 69 (2004) 1-10; 024602; Investigation of the alpha-cluster structure of**

*Ne-22 and Mg-22*; Goldberg V., Rogachev G., Trzaska W., Kolata J., Andreyev A., Angulo C., Borge M., Cherubini S., Chubarian G., Crowley G., Van Duppen P., Gorska M., Gulino M., Huyse M., Jesinger P., Kallman K., Lattuada M., Lönnroth T., Mutterer M., Raabe R., Romano S., Rozhkov M., Skorodumov B., Spitaleri C., Tengblad O., Tumino A. (IF PY: 3.13) (IF 2006: 3.48) (Cit. : 14).

**Nuclear Physics A 746 (2004) 96c-102c**; *First results on in-beam gamma spectroscopy of neutron-rich Na and Mg isotopes at REX-ISOLDE*; Scheit H., Niedermaier O., Pantea M., Aksouh F., Alvarez C., Ames F., Behrens T., Bildstein V., Boie H., Butler P., Cederkäll J., Davinson T., Delahaye P., Van Duppen P., Eberth J., Emhofer S., Fitting J., Franchoo S., Gernhäuser R., Gersch G., Habs D., v.Hahn R., Hess H., Hurst A., Huyse M., Ivanov O., Iwanicki J., Kester O., Köck F., Kröll T., Krücken R., Lauer M., Lutter R., Mayet P., Münch M., Pal U., Pasini M., Reiter P., Richter A., Scherillo A., Schrieder G., Schwalm D., Sieber T., Simon H., Thelen O., Thirolf P., Van de Walle J., Warr N., Weisshaar D. (IF PY: 2.11) (IF 2006: 1.71) (Cit. : 1).

**Physical Review Letters 92 (2004) 1-4; 112501**; *Unambiguous identification of three b-decaying isomers in <sup>70</sup>Cu*; Van Roosbroeck J., Guénaut C., Audi G., Beck D., Blaum K., Bollen G., Cederkäll J., Delahaye P., De Maesschalk A., De Witte H., Fedorov D., Fedoseyev V., Franchoo S., Fynbo H., Górska M., Herfurth F., Heyde K., Huyse M., Kellerbauer A., Kluge H., Köster U., Kruglov K., Lunney D., Mishin V., Mueller W., Nagy S., Schwarz S., Schweikhard L., Smirnova N., Van de Vel K., Van Duppen P., Van Dyck A., Walters W., Weissman L., Yazidjian C. (IF PY: 7.22) (IF 2006: 7.33) (Cit. : 45).

**Physical Review C 68 (2003) 1-7; 054311**; *Fine structure in the alpha decay of Po-188, Po-192*; Van de Vel K., Andreyev A., Ackermann D., Boardman H., Cagarda P., Gerl J., Hessberger F., Hofmann S., Huyse M., Karlgren D., Kojouharov I., Leino M., Lommel B., Munzenberg G., Moore C., Page R., Saro S., Van Duppen P., Wyss R. (IF PY: 2.71) (IF 2006: 3.48) (Cit. : 26).

**European physical journal A 18 (2003) 5-8**; *The decay of the new neutron-rich isotope Bi-217*; Kurpeta J., Plochocki A., Andreyev A., Åysto J., De Smet A., De Witte H., Evensen A., Fedoseyev V., Franchoo S., Górska M., Huhta M., Huyse M., Janas Z., Jokinen A., Karny M., Kugler E., Kurcewicz W., Köster U., Lettry J., Nieminen A., Partes K., Ramdhane M., Ravn H., Rykaczewski K., Szerypo J., Van de Vel K., Van Duppen P., Weissman L., Walter G., Wöhr A., IS387 Collaboration, ISOLDE collaboration (IF PY: 2.1) (IF 2006: 1.97) (Cit. : 1).

**European Physical Journal A 18 (2003) 55-64**; *alpha-decay spectroscopy of light odd-odd Bi isotopes: II: <sup>186</sup>Bi and the new nuclide <sup>184</sup>Bi*; Andreyev A., Ackermann D., Hessberger F., Hofmann S., Huyse M., Kojouharov I., Kindler B., Lommel B., Muzenberg G., Page R., Van de Vel K., Van Duppen P., Heyde K. (IF PY: 2.1) (IF 2006: 1.97) (Cit. : 11).

**European Physical Journal A 17 (2003) 167-171**; *In-beam gamma-ray spectroscopy of Po-190: First observation of a low-lying prolate band in Po isotopes*; Van de Vel K., Andreyev A., Page R., Kettunen H., Greenlees P., Jones P., Julin R., Juutinen S., Kankaanpää H., Keenan A., Kuusiniemi P., Leino M., Muikku M., Nieminen P., Rahkila P., Uusitalo J., Eskola K., Hurstel A., Huyse M., Le Coz Y., Smith M., Van Duppen P., Wyss R. (IF PY: 2.1) (IF 2006: 1.97) (Cit. : 22).

**Nuclear Instruments and Methods in Physics Research B 204 (2003) 9-16**; *Technological challenges of new radioactive beam facilities*; Van Duppen P. (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 3).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 204 (2003) 336-342**; *Beams of isotopes produced at LISOL by laser ionization after thermalization of energetic ions in a gas cell*; Koudriavtsev I., Facina M., Huyse M., Gentens J., Van den Bergh P., Van Duppen P. (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 19).

**Nuclear Instruments and Methods in Physics Research B 204 (2003) 119-123**; *Energy and range focusing of in-flight separated exotic nuclei - A study for the energy-buncher stage of the*

*low-energy branch of the Super-FRS*; Scheidenberger C., Geissel H., Maier M., Münzenberg G., Portillo M., Savard G., Van Duppen P., Weick H., Winkler M., Yavor M., Attallah F., Behr K., Chichkine V., Eliseev S., Hausmann M., Hellström M., Kaza E., Kindler B., Litvinov Y., Lommel B., Marx G., Matos M., Nankov N., Ohtsubo T., Sümmerer K., Sun Z., Zhou Z. (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 17).

**Physical Review C 67 (2003) 1-6; 044602**; *2n-transfer contribution in the  $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$  cross section at  $E_{\text{c.m.}} = 11.6 \text{ MeV}$* ; Raabe R., Andreyev A., Huyse M., Piechaczek A., Van Duppen P., Weissman L., Wohr A., Angulo C., Cherubini S., Musumarra A., Baye D., Descouvemont P., Davinson T., Di Pietro A., Laird A., Ostrowski A., Shotter A., Galanina L., Zelenskaya N. (IF PY: 2.71) (IF 2006: 3.48) (Cit. : 14).

**European Physical Journal A 18 (2003) 31-37**; *Isomeric and ground-state decay of Bi-215*; Kurpeta J., Plochocki A., Andreyev A., Äystö J., De Smet A., De Witte H., Evensen A., Fedoseyev V., Franchoo S., Górska M., Grawe H., Muhta M., Huyse M., Janas Z., Jokinen A., Karny M., Kugler E., Kurcewicz W., Köster U., Lettry J., Nieminen A., Partes K., Ramdhane M., Ravn H., Rykaczewski K., Szerypo J., Van de Vel K., Van Duppen P., Weissman L., Walter G., Wöhr A., IS387 Collaboration, ISOLDE collaboration (IF PY: 2.1) (IF 2006: 1.97) (Cit. : 2).

**European Physical Journal A 18 (2003) 39-54**; *alpha-decay spectroscopy of light odd-odd Bi isotopes - I:  $\{188, 190\}$  Bi nuclei*; Andreyev A., Ackermann D., Antalic S., Boardman H., Cagarda P., Gerl J., Hessberger F., Hofmann S., Huyse M., Karlgren D., Keenan A., Kettunen H., Kleinbohl A., Kindler B., Kozhoukharov I., Lavrentiev A., O'Leary C., Leino M., Lommel B., Matos M., Moore C., Munzenberg G., Page R., Reshitko S., Saro S., Schaffner H., Schlegel C., Taylor M., Van de Vel K., Van Duppen P., Weissman L., Heyde K. (IF PY: 2.1) (IF 2006: 1.97) (Cit. : 7).

**Acta physica hungarica new series-heavy ion physics 18 (2003) 215-222**; *New perspectives in the studies of resonance scattering*; Goldberg V., Trzaska W., Rogachev G., Kolata J., Andreyev A., Angulo C., Borge M., Cherubini S., Chubarian G., Crowley G., Fomichev A., Gorska M., Gulino M., Golovkov M., Huyse M., Kallman K., Lattuada M., Lonroth T., Mutterer M., Raabe R., Rodin A., Romano S., Rozhkov M., Skorodumov B., Spitaleri C., Tengblad O., Ter-Akopian G., Tumino A., Van Duppen P., Wolski R. (IF PY: 0.1) (IF 2006: 0.13) (Cit. : 0).

**Nuclear Instruments & Methods in Physics Research B 204 (2003) 20-30**; *Accelerated radioactive beams from REX-ISOLDE*; Kester O., Sieber T., Emhofer S., Ames F., Reisinger K., Reiter P., Thirof P., Lutter R., Habs D., Wolf B., Huber G., Schmidt P., Ostrowski A., von Hahn R., Repnow R., Fitting J., Lauer M., Scheit H., Schwalm D., Podlech H., Schempp A., Ratzinger U., Forstner O., Wenander F., Cederkall J., Nilsson T., Lindroos M., Fynbo H., Franchoo S., Bergmann U., Oinonen M., Aysto J., Van den Bergh P., Van Duppen P., Huyse M., Warr N., Weisshaar D., Eberth J., Jonson B., Nyman G., Pantea M., Simon H., Shrieder G., Richter A., Tengblad O., Davinson T., Woods P., Bollen G., Weissmann L., Liljeby L., Rensfelt K., the ISOLDE collaboration (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 38).

**Nuclear Instruments & Methods in Physics Research B 204 (2003) 347-352**; *On-line yields obtained with the ISOLDE RILIS*; Koster U., Fedoseyev V., Andreyev A., Bergmann U., Catherall R., Cederkall J., Dietrich M., De Witte H., Fedorov D., Fraile L., Franchoo S., Fynbo H., Georg U., Giles T., Gorska M., Hannawald M., Huyse M., Joinet A., Jonsson O., Kratz K., Kruglov K., Lau C., Lettry J., Mishin V., Oinonen M., Partes K., Perajarvi K., Pfeiffer B., Ravn H., Seliverstov M., Thirof P., Van de Vel K., Van Duppen P., Van Roosbroeck J., Weissman L. (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 20).

**European Physical Journal A 14 (2002) 365-370**; *Yields of neutron-rich isotopes around  $Z=28$  produced in 30 MeV proton-induced fission of U-238*; Kruglov K., Andreyev A., Bruyneel B., Dean S., Franchoo S., Gorska M., Helariutta K., Huyse M., Koudriavtsev I., Mueller W., Prasad N., Raabe R., Schmidt K., Van Duppen P., Van Roosbroeck J., Van de Vel K., Weissman L. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 11).

**Physical Review C 66 (2002) 014313**; *In-beam and alpha-decay spectroscopy of Po-191 and evidence for triple shape coexistence at low energy in the daughter nucleus Pb-187*; Andreyev

A., Huyse M., Van de Vel K., Van Duppen P., Dorvaux O., Greenlees P., Helariutta K., Jones P., Julin R., Juutinen S., Kettunen H., Kuusiniemi P., Leino M., Muikku M., Nieminen P., Rahkila P., Uusitalo J., Wyss R., Hauschild K., Le Coz Y. (IF PY: 2.85) (IF 2006: 3.48) (Cit. : 21).

**Physical Review C 65 (2002) 064301**; *Identification of low-lying proton-based intruder states in Pb189-193*; Van de Vel K., Andreyev A., Huyse M., Van Duppen P., Cocks J., Dorvaux O., Greenlees P., Helariutta K., Jones P., Julin R., Juutinen S., Kettunen H., Kuusiniemi P., Leino M., Muikku M., Nieminen P., Eskola K., Wyss R. (IF PY: 2.85) (IF 2006: 3.48) (Cit. : 22).

**European Physical Journal A 14 (2002) 63-75**; *Nuclear spins, magnetic moments and alpha-decay spectroscopy of long-lived isomeric states in Pb-185*; Andreyev A., Van de Vel K., Barzakh A., De Smet A., De Witte H., Fedorov D., Fedoseyev V., Franchoo S., Gorska M., Huyse M., Janas Z., Koster U., Kurcewicz W., Kurpeta J., Mishin V., Partes K., Plochocki A., Van Duppen P., Weissman L. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 29).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 483 (2002) 593-602**; *Short-lived fission products as a diagnostics tool for studying atom and ion behavior in a gas-based laser ion source*; Weissman L., Prasad N., Bruyneel B., Huyse M., Kruglov K., Koudriavtsev I., Muller W., Van Duppen P., Van Roosbroeck J. (IF PY: 1.17) (IF 2006: 1.32) (Cit. : 3).

**Nuclear physics A 701 (2002) 193c-198c**; *A beam diagnostic system for REX-ISOLDE*; Kruglov K., Weissman L., Van den Bergh P., Huyse M., Van Duppen P. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 0).

**Nuclear Physics A 701 (2002) 145c-149c**; *Production of neutron-rich copper isotopes in 30-MeV proton-induced fission of U-238*; Kruglov K., Andreyev A., Bruyneel B., Dean S., Franchoo S., Huyse M., Koudriavtsev I., Mueller W., Prasad N., Raabe R., Reusen I., Schmidt K., Van de Vel K., Van Duppen P., Van Roosbroeck J., Weissman L. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 3).

**Nuclear Physics A 701 (2002) 613c-620c**; *Beta-decay half-lives of Kr-70 and Rb-74*; Oinonen M., Aysto J., Koster U., Huikari J., Jokinen A., Nieminen A., Perajarvi K., Baumann P., Didierjean F., Huck A., Knipper A., Ramdhane M., Walter G., Huyse M., Van Duppen P., Marguier G., Novikov Y., Popov A., Seliverstov D., Schatz H. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 4).

**Nuclear Physics A 701 (2002) 387c-393c**; *Measurement of the He-4(He-6, He-6)He-4 cross section with a He-4-implanted Al target*; Raabe R., Weissman L., Andreyev A., Angulo C., Baye D., Bradfield-Smith W., Cherubini S., Davinson T., Descouvemont P., Di Pietro A., Huyse M., Laird A., Mueller W., Musumarra A., Ostrowski A., Piechaczek A., Shotter A., Terwagne G., Van Duppen P., Wöhr A. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 1).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 187 (2002) 535-547**; *Intensity limitations of a gas cell for stopping, storing and guiding of radioactive ions*; Huyse M., Facina M., Koudriavtsev I., Van Duppen P. (IF PY: 1.16) (IF 2006: 1.16) (Cit. : 29).

**Nuclear Physics A 701 (2002) 465c-469c**; *The Leuven isotope separator on-line laser ion source*; Koudriavtsev I., Bruyneel B., Franchoo S., Huyse M., Gentens J., Kruglov K., Mueller W., Prasad N., Raabe R., Reusen I., Van den Bergh P., Van Duppen P., Van Roosbroeck J., Vermeeren L., Weissman L. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 7).

**Nuclear Physics A 701 (2002) 209c-212c**; *The MINIBALL array*; Reiter P., Eberth J., Faust H., Franchoo S., Gerl J., Gund C., Habs D., Huyse M., Jungclaus A., Lieb K., Scheit H., Schwalm D., Thomas H., Van Duppen P., Weisshaar D. (IF PY: 1.57) (IF 2006: 1.71) (Cit. : 5).

**Physical Review C 65 (2002) 1-10; 024315**; *Magnetic moments of Cu-68(g,m) and Cu-70(g,m1,m2) nuclei measured by in-source laser spectroscopy*; Weissman L., Köster U., Catherall R., Franchoo S., Georg U., Jonsson O., Fedoseyev V., Mishin V., Seliverstov M., Van Roosbroeck J., Gheysen S., Huyse M., Kruglov K., Neyens G., Van Duppen P. (IF PY: 2.85) (IF 2006: 3.48) (Cit. : 30).

**European Physical Journal A, Hadrons and Nuclei 15 (2002) 189-193**; *In-beam studies of very neutron-deficient heavy nuclei*; Julin R., Greenlees P., Helariutta K., Jones P., Juutinen S., Leppanen A., Kankaanpää H., Keenan A., Kettunen H., Kuusiniemi P., Leino M., Muikku M., Nieminen P., Pakarinen J., Rahkila P., Uusitalo J., Joss D., Williams S., Jenkins D., Kelsall N., Wadsworth R., Hauschild K., Hürstel A., Korten W., Le Coz Y., Andreyev A., Van Duppen P., Huyse M., Van de Vel K., Moore C., O'Leary C., Page R., Taylor M., Reviol W., Smith M. (IF PY: 1.66) (IF 2006: 1.97) (Cit. : 7).

**Physical Review C 6405 (2001) 054308**; *Monopole migration in Cu-69, Cu-71, Cu-73 observed from beta decay of laser-ionized Ni68-74*; Franchoo S., Huyse M., Kruglov K., Koudriavtsev I., Mueller W., Raabe R., Reusen I., Van Duppen P., Van Roosbroeck J., Vermeeren L., Wöhr A., Grawe H., Kratz K., Pfeiffer B., Walters W. (IF PY: 2.7) (IF 2006: 3.48) (Cit. : 40).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 179 (2001) 412-435**; *A gas cell for thermalizing, storing and transporting radioactive ions and atoms. Part I: Off-line studies with a laser ion source*; Koudriavtsev I., Bruyneel B., Huyse M., Gentens J., Van den Bergh P., Van Duppen P., Vermeeren L. (IF PY: 1.04) (IF 2006: 1.16) (Cit. : 27).

**European Physical Journal A 11 (2001) 413-420**; *High-precision measurement of the O-14 half-life using a mass-separated radioactive beam*; Gaelens M., Andrzejewski J., Camps J., Decrock P., Huyse M., Kruglov K., Mueller W., Piechaczek A., Severijns N., Szerypo J., Vancraeynest G., Van Duppen P., Wauters J. (IF PY: 1.73) (IF 2006: 1.97) (Cit. : 8).

**Physics Letters B 511 (2001) 145-150**; *Non-analog beta decay of Rb-74*; Oinonen M., Aysto J., Baumann P., Cederkall J., Courtin S., Dessagne P., Franchoo S., Fynbo H., Gorska M., Huikari J., Jokinen A., Knipper A., Koster U., Le Scornet G., Mieke C., Nieminen A., Nilsson T., Novikov Y., Perajarvi K., Poirier E., Popov A., Seliverstov D., Siiskonen T., Simon H., Tengblad O., Van Duppen P., Walter G., Weissman L., Wilhelmssen-Rolander K. (IF PY: 4.38) (IF 2006: 5.08) (Cit. : 17).

**Acta Physica Polonica B 32 (2001) 1015-1018**; *Alpha decay studies of translead nuclei at the proton drip line*; Uusitalo J., Kettunen H., Andreyev A., Eskola K., Greenlees P., Helariutta K., Huyse M., Jones P., Julin R., Juutinen S., Kankaanpää H., Kuusiniemi P., Leino M., Muikku M., Nieminen P., Rahkila P., Van de Vel K., Van Duppen P. (IF PY: 0.57) (IF 2006: 0.65) (Cit. : 2).

**Nuclear Physics A 685 (2001) 51c-59c**; *Sub-barrier fusion with the He-6 halo nucleus*; Sida J., Alamanos N., Daniel C., Lapoux V., Trotta M., Andreyev A., Auger F., Balabanski D., Borcea C., Coulier N., Drouart A., Durand D., Georgiev G., Gillibert A., Hinnefeld J., Huyse M., Jouanne C., Lepine A., Lumbroso A., Marie F., Musumarra A., Neyens G., Ottini S., Raabe R., Ternier S., Van Duppen P., Vyvey K., Volant C., Wolski R. (IF PY: 2.07) (IF 2006: 1.71) (Cit. : 4).

**European Physical Journal A 10 (2001) 129-133**; *New microsecond isomers in Bi-189, Bi-190*; Andreyev A., Ackermann D., Cagarda P., Gerl J., Hessberger F., Hofmann S., Huyse M., Keenan A., Kettunen H., Kleinbohl A., Lavrentiev A., Leino M., Lommel B., Matos M., Munzenberg G., Moore C., O'Leary C., Page R., Reshitko S., Saro S., Schlegel C., Shaffner H., Taylor M., Van Duppen P., Weissman L., Wyss R. (IF PY: 1.73) (IF 2006: 1.97) (Cit. : 14).

**Nuclear Physics A 682 (2001) 482c-486c**; *The discovery of a prolate-oblate-spherical shape triple of spin 0(+) states in the atomic nucleus Pb-186*; Andreyev A., Huyse M., Van Duppen P., Weissman L., Ackermann D., Gerl J., Hessberger F., Hofmann S., Kleinbohl A., Munzenberg G., Reshitko S., Schlegel C., Shaffner H., Cagarda P., Matos M., Saro S., Keenan A., Moore C., O'Leary C., Page R., Taylor M., Kettunen H., Leino M., Lavrentiev A., Wyss R., Heyde K. (IF PY: 2.07) (IF 2006: 1.71) (Cit. : 10).

**Acta Physica Polonica B 32 (2001) 1019-1023**; *Gamma-ray spectroscopy of Bi-191, Bi-195*; Nieminen P., Cocks J., Dorvaux O., Greenlees P., Helariutta K., Jones P., Julin R., Juutinen S., Kankaanpää H., Kettunen H., Kuusiniemi P., Leino M., Muikku M., Rahkila R., Savelius A., Uusitalo J., Andreyev A., Becker F., Eskola K., Hauschild K., Houry M., Huyse M., Korten W., Le Coz Y., Lucas R., Lonnroth T., Theisen C., Van de Vel K., Van Duppen P., Amzal N., Butler P., Hammond N., Scholey C., Wyss N. (IF PY: 0.57) (IF 2006: 0.65) (Cit. : 6).

**Hyperfine Interactions 132 (2001) 141-146; Anomalies in the alpha-decay energies and half-lives of neutron-deficient Po isotopes;** Huyse M., Andreyev A., Van de Vel K., Van Duppen P., Wyss R. (IF PY: 0.63) (IF 2006: 0.21) (Cit. : 11).

**Progress in Particle and Nuclear Physics 46 (2001) 389-398; MINIBALL - A Ge detector array for radioactive ion beam facilities;** Eberth J., Pascovici G., Thomas H., Warr N., Weisshaar D., Habs D., Reiter P., Thirof P., Schwalm D., Gund C., Scheit H., Lauer M., Van Duppen P., Franchoo S., Huyse M., Lieder R., Gast W., Gerl J., Lieb K. (IF PY: 2.08) (IF 2006: 3.56) (Cit. : 96).

**European physical journal A 9 (2000) 201-206; New states in heavy Cd isotopes and evidence for weakening of the N=82 shell structure;** Kautzsch T., Walters W., Hannawald M., Kratz K., Mishin V., Fedoseyev V., Bohmer W., Jading Y., Van Duppen P., Pfeiffer B., Wöhr A., Möller P., Klöckl I., Sebastian V., Köster U., Koizumi M., Lettry J., Ravn H., ISOLDE collaboration (IF PY: 1.61) (IF 2006: 1.97) (Cit. : 34).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 452 (2000) 147-154; A new method for radioactive sources imaging;** Weissman L., Krouglov K., Huyse M., Van den Bergh P., Van Duppen P. (IF PY: 0.96) (IF 2006: 1.32) (Cit. : 3).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 170 (2000) 266-275; An implanted He-4 target for experiments with radioactive beams;** Weissman L., Raabe R., Huyse M., Koops G., Pattyn H., Terwagne G., Van Duppen P. (IF PY: 0.96) (IF 2006: 1.16) (Cit. : 4).

**Nature 405 (2000) 430-433; A triplet of differently shaped spin-zero states in the atomic nucleus Pb-186;** Andreyev A., Huyse M., Van Duppen P., Weissman L., Ackermann D., Gerl J., Hessberger F., Hofmann S., Kleinbohl A., Munzenberg G., Reshitko S., Schlegel C., Schaffner H., Cagarda P., Matos M., Saro S., Keenan A., Moore C., O'Leary C., Page R., Taylor M., Kettunen H., Leino M., Lavrentiev A., Wyss R., Heyde K. (IF PY: 25.81) (IF 2006: 34.48) (Cit. : 174).

**Physical Review C 61 (2000) 1-12; 4308; beta decay of Co-66, Co-68, and Co-70;** Müller W., Bruyneel B., Franchoo S., Huyse M., Kurpeta J., Kruglov K., Koudriavtsev I., Prasad N., Raabe R., Reusen I., Van Duppen P., Van Roosbroeck J., Vermeeren L., Weissman L., Janas Z., Karny M., Kszczot T., Plochocki A., Kratz K., Pfeiffer B., Grawe H., Koster U., Thirof P., Walters W. (IF PY: 2.38) (IF 2006: 3.48) (Cit. : 39).

**Nuclear Instruments and Methods in Physics Research Section B: Interactions with materials and atoms 160 (2000) 528-535; Isomer separation of Cu-70g and Cu-70m with a resonance ionization laser ion source;** Köster U., Fedoseyev V., Mishin V., Weissman L., Huyse M., Kruglov K., Mueller W., Van Duppen P., Van Roosbroeck J., Thirof P., Thomas H., Weisshaar D., Schulze W., Borcea R., La Commara M., Schatz H., Schmidt K., Rottger S., Huber G., Sebastian V., Kratz K., Catherall R., Georg U., Lettry J., Oinonen M., Ravn H., Simon H. (IF PY: 0.96) (IF 2006: 1.16) (Cit. : 23).

**Physical Review C 61 (2000) 1-5; 5801; beta-decay half-life of Kr-70: A bridge nuclide for the rp process beyond A=70;** Oinonen M., Aysto J., Jokinen A., Baumann P., Didierjean F., Huck A., Knipper A., Ramdhane M., Walter G., Huyse M., Van Duppen P., Marguier G., Novikov Y., Popov A., Seliverstov D., Schatz H. (IF PY: 2.38) (IF 2006: 3.48) (Cit. : 16).

**Physical Review Letters 84 (2000) 2342-2345; Large enhancement of the sub-barrier fusion probability for a halo nucleus;** Trotta M., Sida J., Alamanos N., Andreyev A., Auger F., Balabanski D., Borcea C., Coulier N., Drouart A., Durand D., Georgiev G., Gillibert A., Hinnefeld J., Huyse M., Jouanne C., Lapoux V., Lepine A., Lumbroso A., Marie F., Musumarra A., Neyens G., Ottini S., Raabe R., Ternier S., Van Duppen P., Vyvey K., Volant C., Wolski R. (IF PY: 6.46) (IF 2006: 7.33) (Cit. : 104).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 441 (2000) 595-604; A beam**

*diagnostic system for low-intensity radioactive beams*; Kruglov K., Weissman L., Van den Bergh P., Andreyev A., Huysse M., Van Duppen P. (IF PY: 0.96) (IF 2006: 1.32) (Cit. : 10).

**European physical journal A 7 (2000) 49-54**; *The decay of the neutron-rich nucleus Bi-216*; Kurpeta J., Andreyev A., Äystö J., Evensen A., Huhta M., Huysse M., Jokinen A., Kärny M., Kugler E., Lettry J., Nieminen A., Plochocki A., Ramdhane M., Ravn H., Rykaczewski K., Szerypo J., Van Duppen P., Walter G., Wöhr A. (IF PY: 1.61) (IF 2006: 1.97) (Cit. : 10).

**Hyperfine Interactions 129 (2000) 149-161**; *Shape coexistence around the Z=82 closed shell probed by alpha-decay*; Van Duppen P., Huysse M. (IF PY: 0.48) (IF 2006: 0.21) (Cit. : 11).

**Hyperfine Interactions 129 (2000) 141-148**; *Nuclear spectroscopy at Sn-133*; Hoff P., Baumann P., Huck A., Knipper A., Walter G., Marguier G., Fogelberg B., Lindroth A., Mach H., Sanchez-Vega M., Taylor R., Van Duppen P., Jokinen A., Lindroos M., Ramdhane M., Kurcewicz W., Jonson B., Nyman G., Jading Y., Kratz K., Wöhr A., Lovhoiden G, Thorsteinsen T., Blomqvist J., ISOLDE collaboration (IF PY: 0.48) (IF 2006: 0.21) (Cit. : 3).

**Hyperfine Interactions 127 (2000) 401-408**; *Beams of short-lived nuclei by selective laser ionization in a gas cell*; Van Duppen P., Bruyneel B., Huysse M., Koudriavtsev I., Van Den Bergh P., Vermeeren L. (IF PY: 0.48) (IF 2006: 0.21) (Cit. : 9).

**Hyperfine Interactions 129 (2000) 43-66**; *The REX-ISOLDE project*; Habs D., Kester O., Sieber T., Bongers H., Emhofer S., Reiter P., Thirof P., Bollen G., Äystö J., Forstner O., Ravn H., Nilsson T., Oinonen M., Simon H., Cederkall J., Ames F., Schmidt P., Huber G., Liljeby L., Skeppstedt O., Rensfelt K., Wenander F., Jonson B., Nyman G., von Hahn R., Podlech H., Repnow R., Gund C., Schwalm D., Schempp A., Kühnel K., Welsch C., Ratzinger U., Walter G., Huck A., Kruglov K., Huysse M., Van den Bergh P., Van Duppen P., Weissman L., Shotter A., Ostrowski A., Davinson T., Woods P., Cub J., Richter A., Schrieder G. (IF PY: 0.48) (IF 2006: 0.27) (Cit. : 0).

**Hyperfine Interactions 127 (2000) 417-420**; *Isomer separation and measurement of nuclear moments with the ISOLDE RILIS*; Koster U., Catherall R., Fedoseyev V., Franchoo S., Georg U., Huysse M., Kruglov K., Lettry J., Mishin V., Oinonen M., Ravn H., Seliverstov M., Simon H., Van Duppen P., Van Roosbroeck J., Weissman L. (IF PY: 0.48) (IF 2006: 0.21) (Cit. : 11).

**European physical journal A 6 (1999) 381-385**; *Alpha decay of the new isotopes Po-188, Po-189*; Andreyev A., Ackermann D., Cagarda P., Gerl J., Hessberger F., Hofmann S., Huysse M., Keenan A., Kettunen H., Kleinbohl A., Lavrentiev A., Leino M., Lommel B., Matos M., Munzenberg G., Moore C., O'Leary C., Page R., Reshitko S., Saro S., Schlegel C., Schaffner H., Taylor M., Van Duppen P., Weissman L., Wyss R. (IF 2006: 1.97) (Cit. : 38).

**Physical Review Letters 83 (1999) 3613-3616**; *Magicity of the Ni-68 semidouble-closed-shell nucleus probed by Gamow-Teller decay of the odd-A neighbors*; Mueller W., Bruyneel B., Franchoo S., Grawe H., Huysse M., Koster U., Kratz K., Kruglov K., Koudriavtsev I., Pfeiffer B., Raabe R., Reusen I., Thirof P., Van Duppen P., Van Roosbroeck J., Vermeeren L., Walters W., Weissman L. (IF 2006: 7.33) (Cit. : 43).

**Physics Letters B 458 (1999) 1-7**; *Elastic 2n-transfer in the He-4(He-6, He-6)He-4 scattering*; Raabe R., Piechaczek A., Andreyev A., Baye D., Bradfield-Smith W., Cherubini S., Davinson T., Descovemont P., Di Pietro A., Galster W., Huysse M., Laird A., McKenzie J., Mueller W., Ostrowski A., Shotter A., Van Duppen P., Wöhr A. (IF 2006: 5.08) (Cit. : 23).

**Physical Review Letters 82 (1999) 4787-4790**; *Angular distributions of alpha particles emitted by deformed oriented nuclei*; Schuurmans P., Camps J., De Moor P., Freitag K., Herzog P., Huysse M., Paulsen R., Severijns N., Van Geert A., Van Duppen P., Will B. (IF 2006: 7.33) (Cit. : 16).

**Acta Physica Polonica B 30 (1999) 1255-1262**; *Fine structure in the alpha-decay of the neutron-deficient Po-191 and Bi-191 isotopes*; Andreyev A., Bijnens N., Cocks J., Eskola K., Helariutta K., Huysse M., Kettunen H., Kuusiniemi P., Leino M., Trzaska W., Van Duppen P., Wyss R. (IF 2006: 0.65) (Cit. : 4).

**Physical Review C 59 (1999) 2416-2421**; *beta-decay study of Ni-54, Ni-55 produced by an element-selective laser ion source*; Reusen I., Andreyev A., Andrzejewski J., Bijnens N., Franchoo S., Huyse M., Koudriavtsev I., Kruglov K., Mueller W., Piechaczek A., Raabe R., Rykaczewski K., Szerypo J., Van Duppen P., Vermeeren L., Wauters J., Wotr A. (IF 2006: 3.48) (Cit. : 23).

**Acta Physica Polonica B 30 (1999) 1245-1254**; *Decay and in-beam studies of neutron-deficient Po and Ra isotopes at JYFL*; Leino M., Allatt R., Andreyev A., Cocks J., Dorvaux O., Enqvist T., Eskola K., Helariutta K., Huyse M., Jones P., Julin R., Juutinen S., Kankaanpaa H., Keenan A., Kettunen H., Kuusiniemi P., Muikku M., Page R., Rahkila P., Savelius A., Trzaska W., Uusitalo J., Van Duppen P. (IF 2006: 0.65) (Cit. : 0).

**Journal of physics. G, Nuclear and particle physics 25 (1999) 835-837**; *alpha-decay characteristics of neutron-deficient Po-190, Po-192 nuclei and alpha branching ratios of Pb-186, Pb-188 isotopes*; Andreyev A., Bijnens N., Huyse M., Van Duppen P., Leino M., Enqvist T., Kuusiniemi P., Trzaska W., Uusitalo J., Fotiades N., Cizewski J., McNabb D., Ding K., Davids C., Janssens R., Seweryniak D., Carpenter M., Amro H., Decroock P., Reiter P., Nisius D., Brown L., Fischer S., Lauritsen T., Wauters J., Bingham C., Conticchio L. (IF 2006: 2.12) (Cit. : 26).

**Physical Review C 59 (1999) 2004-2008**; *beta decay of Co-67*; Weissman L., Andreyev A., Bruyneel B., Franchoo S., Huyse M., Kruglov K., Koudriavtsev I., Mueller W., Raabe R., Reusen I., Van Duppen P., Van Roosbroeck J., Vermeeren L., Koster U., Kratz K., Pfeiffer B., Thirof P., Walters W. (IF 2006: 3.48) (Cit. : 29).

**Physical Review Letters 82 (1999) 1819-1822**; *Hindered ( $\Delta I=0$ ) alpha decay and shape staggering in Po-191*; Andreyev A., Huyse M., Van Duppen P., Cocks J., Helariutta K., Kettunen H., Kuusiniemi P., Leino M., Trzaska W., Eskola K., Wyss R. (IF 2006: 7.33) (Cit. : 35).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 423 (1999) 328-336**; *A detector setup to study the decay properties of exotic nuclei*; Weissman L., Van Roosbroeck J., Kruglov K., Andreyev A., Bruyneel B., Franchoo S., Huyse M., Koudriavtsev I., Mueller W., Raabe R., Reusen I., Van Duppen P., Vermeeren L. (IF 2006: 1.32) (Cit. : 13).

**Physical Review Letters 81 (1998) 3100-3103**; *Beta decay of Ni68-74 and level structure of neutron-rich Cu isotopes*; Franchoo S., Huyse M., Kruglov K., Koudriavtsev I., Mueller W., Raabe R., Reusen I., Van Duppen P., Van Roosbroeck J., Vermeeren L., Wotr A., Kratz K., Pfeiffer B., Walters W. (IF 2006: 7.33) (Cit. : 79).

**Physical Review C 58 (1998) 754-764**; *Study of Po-200, Po-202 through beta(+) and electron-capture decay and the manifestation of shape coexistence in the lighter Po isotopes*; Bijnens N., Decroock P., Franchoo S., Gaelens M., Huyse M., Hwang H., Reusen I., Szerypo J., von Schwarzenberg J., Vancraeynest G., Van Duppen P., Wauters J. (IF 2006: 3.48) (Cit. : 14).

**Physical Review C Nuclear Physics 57 (1998) 2711-2723**; *Ne-19(p,gamma)Na-20 and Ne-19(d,n)Na-20 reactions and its astrophysical implications for the transition of the hot CNO cycle to the rp process*; Vancraeynest G., Decroock P., Gaelens M., Huyse M., Van Duppen P., Bain C., Davinson T., Page R., Shotton A., Woods P., Binon F., Duhamel P., Vanhorenbeeck J., Coszach R., Delbar T., Galster W., Graulich J., Leleux P., Lienard E., Lipnik P., Michotte C., Ninane A., Vervier J., Herndl H., Oberhammer H., Sükösd C., Wiescher M. (IF 2006: 3.48) (Cit. : 27).

**Physical Review B Condensed Matter 57 (1998) 11527-11532**; *Hyperfine field of francium in iron*; Will B., Herzog P., Paulsen R., Camps J., De Moor P., Schuurmans P., Severijns N., van Geert A., Vanneste L., Berkes I., de Jesus M., Lindroos M., Van Duppen P. (Cit. : 5).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 139 (1998) 128-135**; *The REX-ISOLDE project*; Habs D., Kester O., Sieber T., Kolbe A., Ott J., Bollen G., Ames F., Schwalm D., von Hahn R., Repnow R.,

Podlech H., Schempp A., Ratzinger U., Liljeby L., Rensfelt K., Wenander F., Jonsson B., Nyman G., Van Duppen P., Huyse M., Richter A., Shrieder G., Walter G. (IF 2006: 1.16) (Cit. : 25).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 134 (1998) 267-270;** *A new pulsed release method for element selective production of neutron rich isotopes near Pb-208*; Van Duppen P., Andreyev A., Aysto J., Evensen A., Huhta M., Huyse M., Jokinen A., Karny M., Kugler E., Kurpeta J., Lettry J., Nieminen A., Plochocki A., Ramdhane M., Ravn H., Rykaczewski K., Szerypo J., Walter G., Wohr A. (IF 2006: 1.16) (Cit. : 14).

**Review of scientific instruments 69 (1998) 738-740;** *Status of the laser ion source at the Leuven isotope separator online*; Koudriavtsev I., Franchoo S., Gentens J., Huyse M., Raabe R., Reusen I., Van Duppen P., Van den Bergh P., Vermeeren L., Wohr A. (IF 2006: 1.52) (Cit. : 13).

**Zeitschrift für Physik. A, Hadrons and nuclei 359 (1997) 117-126;** *Decay properties of ground-state and isomer of In-103*; Szerypo J., Grzywacz R., Janas Z., Karny M., Pflutzner M., Plochocki A., Rykaczewski K., Zylicz J., Huyse M., Reusen G., Schwarzenberg J., Van Duppen P., Woehr A., Keller H., Kirchner R., Klepper O., Piechaczek A., Roeckl E., Schmidt K., Batist L., Bykov A., Wittman V., Brown B. (Cit. : 7).

**Nuclear Physics A 621 (1997) 289c-292c;** *Can the waiting-point nucleus Ni-78 be studied at an on-line mass-separator?*; Wohr A., Andreyev A., Bijmens N., Breitenbach J., Franchoo S., Huyse M., Koudriavtsev I., Piechaczek A., Raabe R., Reusen I., Vermeeren L., Van Duppen P. (IF 2006: 1.71) (Cit. : 5).

**Physical Review C 56 (1997) 745-752;** *beta decay of the proton-rich  $T_z = -1/2$  nucleus, Kr-71*; Oinonen M., Jokinen A., Aysto J., Baumann P., Didierjean F., Honkanen A., Huck A., Huyse M., Knipper A., Marguier G., Novikov Y., Popov A., Ramdhane M., Seliverstov D., Van Duppen P., Walter G. (IF 2006: 3.48) (Cit. : 22).

**Zeitschrift für Physik. A, Hadrons and nuclei 358 (1997) 63-68;** *Alpha-decay characteristics of neutron-deficient Po-190, Bi-189 and Pb-186 isotopes*; Andreyev A., Bijmens N., Enqvist T., Huyse M., Kuusiniemi P., Leino M., Trzaska W., Uusitalo J., Van Duppen P. (Cit. : 16).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 66-72;** *Laser ion sources for on-line isotope separators*; Van Duppen P. (IF 2006: 1.16) (Cit. : 25).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 81-84;** *Mono-isotopic beams of exotic nuclei produced by a universal on-line laser ion source*; Vermeeren L., Andreyev A., Bijmens N., Breitenbach J., Franchoo S., Gentens J., Huyse M., Koudriavtsev I., Piechaczek A., Reusen I., VandenBergh P., Van Duppen P., Woehr A. (IF 2006: 1.16) (Cit. : 16).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 194-197;** *The SPIG, improvement of the efficiency and beam quality of an ion-guide based on-line isotope separator*; VandenBergh P., Franchoo S., Gentens J., Huyse M., Koudriavtsev I., Piechaczek A., Raabe R., Reusen I., Van Duppen P., Vermeeren L., Wohr A. (IF 2006: 1.16) (Cit. : 45).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 130-134;** *Pulse shape of the ISOLDE radioactive ion beams*; Lettry J., Catherall R., Drumm P., Van Duppen P., Evensen A. (IF 2006: 1.16) (Cit. : 53).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 160-165;** *Release and yields from thorium and uranium targets irradiated with a pulsed proton beam*; Evensen A., Catherall R., Drumm P., Van Duppen P., Jonsson O., Kugler E., Lettry J., Tengblad O., Tikhonov V., Ravn H. (IF 2006: 1.16) (Cit. : 25).

**Nuclear Physics A 616 (1997) C29-C38**; *The REX-ISOLDE project*; Habs D., Kester O., Bollen G., Liljeby L., Rensfelt K., Schwalm D., vonHahn R., Walter W., Van Duppen P. (IF 2006: 1.71) (Cit. : 20).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 121-124**; *A comparison of RIST and ISOLDE tantalum targets and geometries used on-line at ISOLDE*; Drumm P., Bennett J., Densham C., Evans W., Holding M., Murdoch G., Evenson A., Kugler E., Lettry J., Ravn H., Tengblad O., Van Duppen P., Catherall R., Jonsson O., Kay J., Warner D., Harder M., Thwaites C., Honsi J., Page R., Billowes J., Freeman S., Grant I., Schwebel S., Smith G., Bishop C., Walker P. (IF 2006: 1.16) (Cit. : 16).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 76-80**; *Production of radioactive Ag ion beams with a chemically selective laser ion source*; Jading Y., Catherall R., Fedoseyev V., Jokinen A., Jonsson O., Kautzsch T., Klockl I., Kratz K., Kugler E., Lettry J., Mishin V., Ravn H., Scheerer F., Tengblad O., Van Duppen P., Walters W., Wohr A. (IF 2006: 1.16) (Cit. : 25).

**Nuclear Physics A 616 (1997) 303c-310c**; *High resolution gamma-ray spectroscopy with a radioactive beam*; Catford W., Mohammadi S., Regan P., Purry C., Gelletly W., Walker P., Gyapong G., Simpson J., Warner D., Davinson T., Neal R., Page R., Shotter A., Hibbert I., Wadsworth R., Forbes S., Bruce A., Thwaites C., Thirof P., Van Duppen P., Galster W., Ninane A., Vervier J., Decrock P., Huyse M., Szerypo J., Wauters J. (IF 2006: 1.71) (Cit. : 4).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 95-99**; *Selective laser ionization of radioactive Ni-isotopes*; Jokinen A., Evensen A., Kugler E., Lettry J., Ravn H., Van Duppen P., Erdmann N., Jading Y., Kohler S., Kratz K., Trautman N., Wohr A., Fedoseyev V., Mishin V., Tikhonov V. (IF 2006: 1.16) (Cit. : 26).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 125-129**; *Development of radioactive ion beams of light elements at ARENAS*; Gaelens M., Huyse M., Loiselet M., Ryckewaert G., Van Duppen P. (IF 2006: 1.16) (Cit. : 6).

**Nuclear Physics A 616 (1997) 107c-114c**; *The Ne-19( $p,\gamma$ )Na-20 astrophysical reaction rate determined from measurements with a radioactive beam*; Vancraeynest G., Bain C., Binon F., Coszach R., Davinson T., Decrock P., Delbar T., Duhamel P., Gaelens M., Galster W., Graulich J., Huyse M., Leleux P., Licot I., Lienard E., Lipnik P., Michotte C., Ninane A., Page R., Sellin P., Shotter A., Sukosd C., Van Duppen P., Vanhorenbeeck J., Vervier J., Wiescher M., Woods P. (IF 2006: 1.71) (Cit. : 1).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 126 (1997) 218-223**; *The REX-ISOLDE project*; Habs D., Kester O., Rudolph K., Thirof P., Hinderer G., Nolte E., Bollen G., RaimbaultHartmann H., Ravn H., Ames F., Liljeby L., Rensfelt K., Schwalm D., vonHahn R., Reppow R., Schempp A., Ratzinger U., Van Duppen P., Huyse M., Walter G. (IF 2006: 1.16) (Cit. : 34).

**Zeitschrift für Physik. A, Hadrons and nuclei 358 (1997) 239-240**; *The angular distributions of alpha-particles emitted by oriented nuclei and their relation to nuclear structure and deformation*; Schuurmans P., Will B., Berkes I., Camps J., DeJesus M., DeMoor P., Herzog P., Lindroos M., Paulsen R., Severijns N., Van Duppen P., Vanneste L. (Cit. : 6).

**Progress in Particle and Nuclear Physics 38 (1997) 111-126**; *Physics with Ge-miniball-arrays*; Habs D., Rudolph D., Thirof P., Fischbeck C., Gund C., Schwalm D., Eberth J., Grosse E., Prade H., Emling H., Gerl J., Lieder R., Van Duppen P., RossiAlvarez C., Pignanelli M. (IF 2006: 3.56) (Cit. : 19).

**Physica Scripta T71 (1997) 199-203**; *An EBIS as charge state breeder for the production of energetic radioactive ion beams*; Van Duppen P., Janko K., Tengblad O., Ravn H., Beebe E., Liljeby L., Pikin A., Rensfelt K., Donets E., Habs D. (Cit. : 3).

**Zeitschrift für Physik. A, Hadrons and nuclei 358 (1997) 161-162;** *Physics with REX-ISOLDE and MINIBALL - The REX-ISOLDE and MINIBALL collaborations;* Habs D., Rudolph D., Kester O., Thirof P., Reiter P., Schwalm D., Walter G., Van Duppen P., Eberth J. (Cit. : 4).

**Physical Review C 54 (1996) R2811-R2814;** *Laser ionization of Ag-124 and its decay to levels of Cd-124;* Kautzsch T., Walters W., Fedoseyev V., Jading Y., Jokinen A., Klockl I., Kratz K., Mishin V., Ravn H., Van Duppen P., Woehr A. (IF 2006: 3.48) (Cit. : 9).

**Physical Review Letters 77 (1996) 4720-4723;** *Alpha-particle angular distributions of At and Rn isotopes and their relation to nuclear structure;* Schuurmans P., Will B., Berkes I., Camps J., DeJesus M., DeMoor P., Herzog P., Lindroos M., Paulsen R., Severijns N., VanGeert A., Van Duppen P., Vanneste L. (IF 2006: 7.33) (Cit. : 26).

**Zeitschrift für Physik. A, Hadrons and nuclei 356 (1996) 3-4;** *Fine structure in the alpha decay of Po-192;* Bijmens N., Ahmad I., Andreyev A., Batchelder J., Bingham C., Blumenthal D., Busse B., Chen X., Conticchio L., Davids C., Huyse M., Janssens R., Mantica P., Penttila H., Reviol W., Seweryniak D., Van Duppen P., Walters W., Wauters J., Zimmerman B. (Cit. : 53).

**Physical Review C 54 (1996) 1167-1176;** *alpha decay as a probe for phase transitions in nuclei;* Delion D., Florescu A., Huyse M., Wauters J., Van Duppen P., Insolia A., Liotta R. (IF 2006: 3.48) (Cit. : 13).

**Physical Review Letters 77 (1996) 1020-1023;** *Single-neutron states in Sn-133;* Hoff P., Baumann P., Huck A., Knipper A., Walter G., Marguier G., Fogelberg B., Lindroth A., Mach H., SanchezVega M., Taylor R., Van Duppen P., Jokinen A., Lindroos M., Ramdhane M., Kurcewicz W., Jonson B., Nyman G., Jading Y., Kratz K., Woehr A., Lovhoiden G., Thorsteinsen T., Blomqvist J. (IF 2006: 7.33) (Cit. : 67).

**Zeitschrift für Physik. A, Hadrons and nuclei 355 (1996) 227-230;** *Proton instability of Rb-73;* Jokinen A., Oinonen M., Aysto J., Baumann P., Didierjean F., Hoff P., Huck A., Knipper A., Marguier G., Novikov Y., Popov A., Ramdhane M., Seliverstov D., Van Duppen P., Walter G. (Cit. : 26).

**Physics Letters B 381 (1996) 402-406;** *New limits for the Ne-19(p,gamma)Na-20 astrophysical reaction rate from direct measurements using radioactive beams;* Michotte C., Bain C., Binon F., Coszach R., Davinson T., Decroock P., Delbar T., Duhamel P., Gaelens M., Galster W., Graulich J., Huyse M., Leleux P., Lienard E., Lipnik P., Ninane A., Shotter A., Sukosd C., Vancraeynest G., Van Duppen P., Vanhorenbeeck J., Vervier J., Wiescher M., Woods P. (IF 2006: 5.08) (Cit. : 11).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 114 (1996) 350-365;** *Beams of short lived nuclei produced by selective laser ionization in a gas cell;* Koudriavtsev I., Andrzejewski J., Bijmens N., Franchoo S., Gentens J., Huyse M., Piechaczek A., Szerypo J., Reusen I., Van Duppen P., VanDenBergh P., Vermeeren L., Wauters J., Woehr A. (IF 2006: 1.16) (Cit. : 51).

**Physical Review C 53 (1996) 3163-3164;** *Prolate-oblate band mixing and new bands in Hg-182 - Comment;* Wauters J., Bijmens N., Huyse M., Van Duppen P. (IF 2006: 3.48) (Cit. : 3).

**Review of scientific instruments 67 (1996) 938-940;** *Laser ion source for the Leuven Isotope Separator On-Line;* Koudriavtsev I., Andrzejewski J., Bijmens N., Franchoo S., Huyse M., Piechaczek A., Szerypo J., Reusen I., Van Duppen P., Vermeeren L., Wauters J., Woehr A. (IF 2006: 1.52) (Cit. : 2).

**Review of scientific instruments 67 (1996) 1347-1349;** *Status report on the electron cyclotron resonance ion sources used for the production of radioactive ion beams at Louvain-la-Neuve;* Gaelens M., Decroock P., Huyse M., Van Duppen P., Loiselet M., Ryckewaert G. (IF 2006: 1.52) (Cit. : 4).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 371 (1996) 449-459;** *High resolution*

*gamma-ray spectroscopy with a radioactive beam*; Catford W., Mohammadi S., Regan P., Purry C., Gelletly W., Walker P., Gyapong G., Simpson J., Warner D., Davinson T., Neal R., Page R., Shotter A., Hibbert I., Wadsworth R., Forbes S., Bruce A., Thwaites C., Thirolf P., Van Duppen P., Galster W., Ninane A., Vervier J., Decrock P., Huyse M., Szerypo J., Wauters J. (IF 2006: 1.32) (Cit. : 10).

**Physical Review C 53 (1996) 1035-1037**; *Shape and superdeformed structure in Hg isotopes in relativistic mean field model and structure of neutron-deficient Pt, Hg, and Pb isotopes - Comment*; Heyde K., Decoster C., Van Duppen P., Huyse M., Wood J., Nazarewicz W. (IF 2006: 3.48) (Cit. : 8).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 114 (1996) 350-365**; *An on-line element selective laser ion source for short-living radioactive nuclei*; Kudryavtsev Y., Andrjewski J., Bijmens N., Franchoo S., Gentens J., Huyse M., Piechaczek A., Reusen I., Van Duppen P., Van Den Bergh P., Vermeeren L., Wauters J., Wohr A. (IF 2006: 1.16).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 106 (1995) 23-27**; *alpha-emission channeling studies of the lattice site of oversized atoms implanted in Fe and Ni single crystals*; DeWachter J., Blasser S., Hofsass H., Jahn S., Lindroos M., Moons R., Pattyn H., Restle M., Vantomme A., Wahl U., Van Duppen P., Langouche G. (IF 2006: 1.16) (Cit. : 2).

**Physical Review Letters 75 (1995) 4571-4574**; *Intruder states and the onset of deformation in the neutron-deficient even-even polonium isotopes*; Bijmens N., Decrock P., Franchoo S., Gaelens M., Huyse M., Hwang H., Reusen I., Szerypo J., von Schwarzenberg J, Wauters J., Correia J., Jokinen A., Van Duppen P. (IF 2006: 7.33).

**Zeitschrift für Physik. A, Hadrons and nuclei 353 (1995) 9-10**; *Study of short-lived silver isotopes with a laser ion-source*; Fedoseyev V., Jading Y., Jonsson O., Kirchner R., Kratz K., Krieg M., Kugler E., Lettry J., Mehren T., Mishin V., Ravn H., Rauscher T., Ravn H., Scheerer F., Tengblad O., Van Duppen P., Wohr A. (Cit. : 31).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 101 (1995) 275-279**; *Efficiency measurements for a low charge-state ionic injection into an electron-beam ion-source*; Visentin B., Van Duppen P., Leroy P., Harrault F., Gobin R. (IF 2006: 1.16) (Cit. : 22).

**Physical Review Letters 74 (1995) 3939-3942**; *Microscopic description of alpha-decay to intruder 0-2(+) states in pb, po, hg, and pt isotopes*; Delion D., Florescu A., Huyse M., Wauters J., Van Duppen P., Insolia A., Liotta R. (IF 2006: 7.33) (Cit. : 19).

**Nuclear Physics A 588 (1995) C313-C318**; *Nuclear-reactions of astrophysical interest with radioactive beams*; Huyse M., Bain C., Binon F., Davinson T., Duhamel P., Decrock P., Coszach R., Delbar T., Gaelens M., Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Loiselet M., Michotte C., Page R., Ryckewaert G., Sellin P., Shotter A., Sukosd C., Vancraeynest G., Van Duppen P., Vanhorenbeeck J., Vervier J., Wiescher M., Woods P. (IF 2006: 1.71) (Cit. : 2).

**Physical Review Letters 74 (1995) 1890-1890**; *An online laser ion-source based on resonance photoionization in a gas cell*; Vermeeren L., Bijmens N., Huyse M., Koudriavtsev I., Van Duppen P., Wauters J., Qamhieh Z., Thoen P., Vandeweert E., Silverans R. (IF 2006: 7.33) (Cit. : 0).

**Zeitschrift für Physik. A, Hadrons and nuclei 351 (1995) 149-153**; *Gamow-teller strength distribution in the beta-decay of ag-100 from total-absorption gamma-spectrometry*; Batist L., Bykov A., Moroz F., Wittmann V., Alkhozov G., Keller H., Kirchner R., Klepper O., Roeckl E., Huyse M., Van Duppen P., Reusen G., Plochocki A., Pftzner M., Rykaczewski K., Szerypo J., Zylicz J., Brown B. (Cit. : 6).

**Nuclear Physics A 584 (1995) 221-240**; *Beta-decay of neutron-deficient even-mass indium isotopes - evidence for population of highly-excited states in the cadmium-daughter nuclei*;

Szerypo J., Huyse M., Reusen G., Van Duppen P., Janas Z., Keller H., Kirchner R., Klepper O., Piechaczek A., Roeckl E., Schardt D., Schmidt K., Grzywacz R., Pfutzner M., Plochocki A., Rykaczewski K., Zylicz J., Alkhazov G., Batist L., Bykov A., Wittmann V., Brown B. (IF 2006: 1.71) (Cit. : 31).

**Nuclear Physics A 581 (1995) 205-219**; *The gamow-teller decay of sn-105 to 3-particle states in in-105*; Pfutzner M., Plochocki A., Rykaczewski K., Szerypo J., Zylicz J., Keller H., Kirchner R., Klepper O., Roeckl E., Schardt D., Huyse M., Reusen G., Van Duppen P., Brown B. (IF 2006: 1.71) (Cit. : 7).

**Physica Scripta T56 (1995) 262-265**; *Beta-decay of the new isotope sn-101*; Janas Z., Keller H., Kirchner R., Klepper O., Piechaczek A., Roeckl E., Schmidt K., Huyse M., Vonschwarzenberg J., Szerypo J., Van Duppen P., Vermeeren L., Albus F., Kluge H., Passler G., Scheerer F., Trautmann N., Fedoseyev V., Mishin V., Grzywacz R., Plochocki A., Rykaczewski K., Zylicz J. (Cit. : 23).

**Physica Scripta T56 (1995) 110-113**; *Fine-structure in the alpha-decay of even-even nuclei - experimental-evidence for the stability of the z=82 magic shell*; Bijmens N., Correia J., Huyse M., Hwang H., Kirchner R., Reusen G., Roeckl E., Van Duppen P., Vonschwarzenberg J., Wauters J. (Cit. : 12).

**Physical Review C 50 (1994) 2768-2773**; *Alpha-decay of pb-186 and hg-184 - the influence of mixing of o+ states on alpha-decay transition-probabilities*; Wauters J., Bijmens N., Folger H., Huyse M., Hwang H., Kirchner R., Vonschwarzenberg J., Van Duppen P. (IF 2006: 3.48) (Cit. : 34).

**Physical Review Letters 73 (1994) 3066-3069**; *First experimental limit on the ne-19(p,gamma)na-20 resonance strength, of astrophysical interest*; Page R., Vancraeynest G., Shotter A., Huyse M., Bain C., Binon F., Coszach R., Davinson T., Decrock P., Delbar T., Duhamel P., Gaelens M., Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Michotte C., Ninane A., Sellin P., Sukosd C., Van Duppen P., Vanhorenbeeck J., Vervier J., Wiescher M., Woods P. (IF 2006: 7.33) (Cit. : 44).

**Physical Review Letters 73 (1994) 1935-1938**; *An on-line laser ion source based on resonance photoionization in a gas cell*; Vermeeren L., Bijmens N., Huyse M., Koudriavtsev I., Van Duppen P., Wauters J., Qamhieh Z., Thoen P., Vandeweert E., Silverans R. (IF 2006: 7.33).

**Physical Review C 50 (1994) 1695-1701**; *Resonant scattering of isobaric ne-19 and f-19 beams on an h-target*; Coszach R., Delbar T., Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Michotte C., Ninane A., Vervier J., Bain C., Davinson T., Page R., Shotter A., Woods P., Baye D., Binon F., Descouvemont P., Duhamel P., Vanhorenbeeck J., Vincke M., Decrock P., Huyse M., Van Duppen P., Vancraeynest G., Barker F. (IF 2006: 3.48) (Cit. : 27).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 93 (1994) 378-381**; *External ion injection into an ebis source - efficiency measurements*; Beebe E., Liljeby L., Pikin A., Donets E., Habs D., Janko K., Tengblad O., Van Duppen P. (IF 2006: 1.16) (Cit. : 21).

**Physical Review C 49 (1994) 3359-3359**; *Alpha-decay properties of neutron-deficient polonium and radon nuclei - reply*; Wauters J., Dendooven P., Huyse M., Reusen G., Van Duppen P. (IF 2006: 3.48) (Cit. : 0).

**Physical Review Letters 72 (1994) 1329-1332**; *Fine structure in the alpha decay of even-even nuclei as an experimental proof for the stability of the Z=82 magic shell at the very neutron-deficient side*; Wauters J., Bijmens N., Dendooven P., Huyse M., Hwang H., Reusen G., von Schwarzenberg J., Van Duppen P., Kirchner R., Roeckl E. (IF 2006: 7.33).

**Physical Review C. Nuclear physics 49 (1994) 3359**; *Reply to comment on alpha-decay properties of neutron-deficient polonium and radon nuclei*; Wauters J., Dendooven P., Huyse M., Reusen G., Van Duppen P., Lievens P. (IF 2006: 3.48) (Cit. : 73).

**Physical Review C 48 (1993) 3088-3096**; *Investigation of the N-13(p,gamma)O-14 reaction using N-13 radioactive ion-beams*; Delbar T., Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Loiselet M., Michotte C., Ryckewaert G., Vervier J., Decrock P., Huyse M., Van Duppen P., Vanhorenbeeck J. (IF 2006: 3.48) (Cit. : 19).

**Physical Review C. Nuclear physics 48 (1993) 2057-2067**; *Study of the  $^{13}\text{N}(d,n)^{14}\text{O}$  reaction cross section and its astrophysical implications for the  $^{13}\text{N}$  proton capture reaction*; Decrock P., Gaelens M., Huyse M., Reusen G., Vancraeynest G., Van Duppen P., Wauters J., Delbar T., Galster W., Leleux P., Licot I., Liénard E., Lipnik P., Michotte C., Vervier J., Oberhummer H. (IF 2006: 3.48) (Cit. : 22).

**Physics Letters B 304 (1993) 50-54**; *Radioactive beam investigation of the n-13(p,gamma)o-14 reaction and the hot cno cycle*; Decrock P., Delbar T., Galster W., Huyse M., Leleux P., Licot I., Lienard E., Lipnik P., Michotte C., Van Duppen P., Vanhorenbeeck J., Vervier J. (IF 2006: 5.08) (Cit. : 25).

**Physical Review C 47 (1993) 1447-1454**; *alpha -decay properties of neutron-deficient polonium and radon nuclei*; Wauters J., Dendooven P., Huyse M., Reusen G., Van Duppen P., Lievens P. (IF 2006: 3.48) (Cit. : 73).

**Nuclear Physics A 553 (1993) C837-C840**; *Production and use of post-accelerated radioactive nuclear beams*; Van Duppen P., Decrock P., Delbar T., Duhamel P., Gaelens M., Galster W., Huyse M., Leleux P., Licot I., Lipnik P., Lienard E., Loiselet M., Michotte C., Ryckewaert G., Vancraeynest G., Vanhorenbeeck J., Vervier J. (IF 2006: 1.71) (Cit. : 3).

**Zeitschrift für Physik. A, Hadrons and nuclei 345 (1993) 21-27**; *Alpha-decay study of pb-188 and hg-180,hg-182*; Wauters J., Dendooven P., Huyse M., Reusen G., Van Duppen P., Kirchner R., Klepper O., Roeckl E. (Cit. : 26).

**Zeitschrift für Physik A-Hadrons and Nuclei 344 (1992) 29-33**; *Fine-structure in the alpha-decay of Rn-202 - observation of a low-lying  $0_+$  state in Po-198*; Wauters J., Dendooven P., Huyse M., Reusen G., Lievens P., Van Duppen P. (Cit. : 21).

**Physical Review C 46 (1992) 1209-1217**; *Isomers in 3 doubly odd fr-at-bi alpha-decay chains*; Huyse M., Decrock P., Dendooven P., Reusen G., Van Duppen P., Wauters J. (IF 2006: 3.48) (Cit. : 26).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 70 (1992) 131-136**; *Resonance ionization in a gas cell - a feasibility study for a laser ion-source*; Qamhie Z., Vandeweert E., Silverans R., Van Duppen P., Huyse M., Vermeeren L. (IF 2006: 1.16) (Cit. : 6).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 70 (1992) 393-397**; *Production, acceleration and use of radioactive ion-beams at louvain-la-neuve*; Van Duppen P., Decrock P., Huyse M., Delbar T., Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Loiselet M., Michotte C., Ryckewaert G., Vervier J., Duhamel P., Vanhorenbeeck J. (IF 2006: 1.16) (Cit. : 18).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 70 (1992) 182-185**; *Extraction efficiency of n-13 ( $t_{1/2} = 9.96$  min) atoms from a graphite target - comparison between off-line and online obtained results*; Decrock P., Huyse M., Reusen G., Van Duppen P., Darquennes D., Delbar T., Lipnik P. (IF 2006: 1.16) (Cit. : 9).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 70 (1992) 50-55**; *Status-report of the leuven isotope separator online (isol)*; Huyse M., Decrock P., Dendooven P., Gentens J., Vancraeynest G., Vandenberghe P., Van Duppen P. (IF 2006: 1.16) (Cit. : 20).

**Physics reports-review section of physics letters 215 (1992) 101-201**; *Coexistence in even-mass nuclei*; Wood J., Heyde K., Nazarewicz W., Huyse M., Van Duppen P. (IF 2006: 17.75) (Cit. : 419).

**Nuclear Physics A 542 (1992) 263-277**; *One-step energy scanning of wide low-lying 1-resonances in  $c-13+p$  and  $n-13+p$  scattering*; Delbar T., Galster W., Leleux P., Lienard E., Lipnik P., Michotte C., Vervier J., Duhamel P., Vanhorenbeeck J., Decrock P., Huyse M., Van Duppen P., Baye D., Descouvemont P. (IF 2006: 1.71) (Cit. : 22).

**Zeitschrift für Physik. A, Hadrons and nuclei 342 (1992) 277-282**; *The alpha-branching ratios of the  $pb-188$ ,  $pb-190$ ,  $pb-192$  isotopes*; Wauters J., Dendooven P., Decrock P., Huyse M., Kirchner R., Klepper O., Reusen G., Roeckl E., Van Duppen P. (Cit. : 18).

**Review of scientific instruments 63 (1992) 2381-2386**; *High-efficiency ion sources for online mass separators - a brief review*; Van Duppen P., Decrock P., Huyse M., Kirchner R. (IF 2006: 1.52) (Cit. : 14).

**Hyperfine Interactions 74 (1992) 193-204**; *A laser ion-source for online mass separation*; Van Duppen P., Dendooven P., Huyse M., Vermeeren L., Qamhieh Z., Silverans R., Vandeweert E. (IF 2006: 0.21) (Cit. : 12).

**Physical Review C 44 (1991) 2776-2787**; *Target and detection techniques for the  $n-13(p,\gamma)o-14$  reaction using radioactive ion-beams -  $c-13(p,\gamma)n-14$  reaction as a test case*; Galster W., Leleux P., Licot I., Lienard E., Lipnik P., Mertens D., Delbar T., Vervier J., Decrock P., Huyse M., Van Duppen P., Duhamel P., Vanhorenbeeck J., Roters G., Rolfs C., Schroeder U., Trautvetter H., Wolke K., Lambert J., Rodney W. (IF 2006: 3.48) (Cit. : 28).

**Physical Review C 44 (1991) R935-R938**; *Identification of the rare neutron-rich isotope  $rh-117$* ; Penttilä H., Jauho P., Aysto J., Decrock P., Dendooven P., Huyse M., Reusen G., Van Duppen P., Wauters J. (IF 2006: 3.48) (Cit. : 9).

**Nuclear Physics A 530 (1991) 401-419**; *Decay of mass-separated 3.0 min  $bi-195$  to levels in  $pb-195$  and shape coexistence in the neutron-deficient odd-mass  $pb$  isotopes*; Griffin J., Braga R., Fink R., Wood J., Carter H., Mlekodaj R., Bingham C., Coenen E., Huyse M., Van Duppen P. (IF 2006: 1.71) (Cit. : 9).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 61 (1991) 178-182**; *The influence of recoil losses in subsequent alpha-decay on the determination of alpha-branching ratios*; Wauters J., Decrock P., Dendooven P., Huyse M., Lievens P., Reusen G., Van Duppen P. (IF 2006: 1.16) (Cit. : 7).

**Physical Review Letters 67 (1991) 808-811**; *Determination of the  $n-13(p,\gamma)o-14$  reaction cross-section using a  $n-13$  radioactive ion-beam*; Decrock P., Delbar T., Duhamel P., Galster W., Huyse M., Leleux P., Licot I., Lienard E., Lipnik P., Loiselet M., Michotte C., Ryckewaert G., Van Duppen P., Vanhorenbeeck J., Vervier J. (IF 2006: 7.33) (Cit. : 103).

**Nuclear Physics A 531 (1991) 63-76**; *Highly converted transitions in  $pb-197$  - evidence for shape coexistence*; Vanhorenbeeck J., Delmarmol P., Coenen E., Huyse M., Van Duppen P., Wauters J. (IF 2006: 1.71) (Cit. : 11).

**Physical Review C. Nuclear physics 44 (1991) 336-344**; *Independent and cumulative yields of very neutron-rich nuclei in 20 MeV  $p$ - and 18-41 MeV  $d$ -induced fission of  $238U$* ; Leino M., Jauho P., ystö J., Decrock P., Dendooven P., Eskola K., Huyse M., Jokinen A., Parmonen J., Penttilä H., Reusen G., Taskinen P., Van Duppen P., Wauters J. (IF 2006: 3.48).

**Nuclear Physics A 529 (1991) 268-288**; *Intruder states in odd odd  $tl$  nuclei populated in the alpha-decay of odd odd  $bi$  isotopes*; Van Duppen P., Decrock P., Dendooven P., Huyse M., Reusen G., Wauters J. (IF 2006: 1.71) (Cit. : 33).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 58 (1991) 252-259**; *An electron-cyclotron resonance ion-source for efficient production of radioactive ion-beams*; Decrock P., Huyse M., Van Duppen P., Baeten F., Dom C., Jongen Y. (IF 2006: 1.16) (Cit. : 28).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 56-7 (1991) 525-527**; *Low and medium energy radioactive*

*ion-beams at louvain-la-neuve, belgium*; Huyse M., Van Duppen P., Galster W., Lipnik P., Loiselet M., Ryckewaert G. (IF 2006: 1.16) (Cit. : 1).

**Zeitschrift für Physik. A, Hadrons and nuclei 339 (1991) 533-534**; *The influence of shape changes on the alpha-decay in the bi-191(m,g)-tl-187-jau-183 chain*; Wauters J., Decrock P., Dendooven P., Huyse M., Reusen G., Van Duppen P. (Cit. : 11).

**Physical Review C 42 (1990) R804-R806**; *Production of intense radioactive ion-beams using 2 accelerators*; Darquennes D., Decrock P., Delbar T., Galster W., Huyse M., Jongen Y., Lacroix M., Leleux P., Licot I., Lienard E., Lipnik P., Loiselet M., Ryckewaert G., Kitwanga S., Van Duppen P., Vanhorenbeeck J., Vervier J., Zaremba S. (IF 2006: 3.48) (Cit. : 36).

**Journal of physics. G, Nuclear and particle physics 16 (1990) 441-450**; *Mixing of intruder and normal states in pb nuclei*; Van Duppen P., Huyse M., Wood J. (IF 2006: 2.12) (Cit. : 34).

**Review of scientific instruments 61 (1990) 279-281**; *Single-stage electron-cyclotron resonance ion-source for efficient low-charge-state production*; Decrock P., Van Duppen P., Baeten F., Dom C., Jongen Y. (IF 2006: 1.52) (Cit. : 6).

**Zeitschrift für Physik. A, Hadrons and nuclei 336 (1990) 381-386**; *Gamow-teller strength in the beta+ decay of in-104*; Reusen G., Bom V., Decrock P., Dendooven P., Huyse M., Hollander R., Van Duppen P., Vanhorenbeeck J., Wauters J. (Cit. : 3).

**Zeitschrift für Physik. A, Hadrons and nuclei 335 (1990) 475-476**; *Comparison of experimental and calculated k/l ratios of eo transitions in some heavy-nuclei*; Trzaska W., Kantele J., Julin R., Kumpulainen J., Van Duppen P., Huyse M., Wauters J. (Cit. : 8).

**Nuclear Physics A 505 (1989) 257-266**; *Octupole deformation in ac-223*; Ahmad I., Holzmann R., Janssens R., Dendooven P., Huyse M., Reusen G., Wauters J., Van Duppen P. (IF 2006: 1.71) (Cit. : 10).

**Progress of theoretical physics 82 (1989) 744-759**; *An application of the extended tdhf method to the 0+ intruder states in even pb nuclei*; Yamamura M., Huyse M., Van Duppen P., Heyde K. (IF 2006: 2.37) (Cit. : 2).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 282 (1989) 99-101**; *Target development for a radioactive ion-beam*; Arnould M., Baeten F., Darquennes D., Delbar T., Dom C., Huyse M., Jongen Y., Lacroix M., Lipnik P., Loiselet M., Reusen G., Ryckewaert G., Kitwanga S., Van Duppen P., Vanhorenbeeck J., Vervier J., Zaremba S. (IF 2006: 1.32) (Cit. : 7).

**Physics Letters B 226 (1989) 27-30**; *Life time measurements of o+ intruder states in pb-190, pb-192, pb-194*; Dendooven P., Decrock P., Huyse M., Reusen G., Van Duppen P., Wauters J. (IF 2006: 5.08) (Cit. : 45).

**Physical Review C 39 (1989) 1528-1534**; *Decay study of in-104(m,g)*; Vanhorenbeeck J., Coenen E., Decrock P., Dendooven P., Deneffe K., Huyse M., Reusen G., Van Duppen P., Wauters J., Delmarmol P. (IF 2006: 3.48) (Cit. : 9).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 40-1 (1989) 498-500**; *Production and acceleration of radioactive ion-beams at louvain-la-neuve*; Arnould M., Baeten F., Darquennes D., Delbar T., Dom C., Huyse M., Jongen Y., Leleux P., Lacroix M., Lipnik P., Loiselet M., Reusen G., Ryckewaert G., Kitwanga S., Van Duppen P., Vanhorenbeeck J., Vervier J., Zaremba S. (IF 2006: 1.16) (Cit. : 2).

**Journal de physique 50 (1989) 813-817**; *A single stage ecr source for the radioactive ion-beam project in louvain-la-neuve*; Arnould M., Baeten F., Darquennes D., Delbar T., Dom C., Huyse M., Jongen Y., Lacroix M., Leleux P., Lipnik P., Loiselet M., Reusen G., Ryckewaert G., Kitwanga S., Van Duppen P., Vanhorenbeeck J., Vervier J., Zaremba S. (Cit. : 0).

**Physics Letters B 201 (1988) 293-296**; *Intruder states in odd odd  $tl$  nuclei - the completion of a unique set of intruder systematics*; Huyse M., Coenen E., Deneffe K., Van Duppen P., Heyde K., Vanmaldeghem J. (IF 2006: 5.08) (Cit. : 23).

**Zeitschrift für Physik. A, Hadrons and nuclei 331 (1988) 21-27**; *The beta-decay energies of  $in-103$  and  $in-104$* ; Bom V., Hollander R., Coenen E., Deneffe K., Van Duppen P., Huyse M. (Cit. : 10).

**Zeitschrift für Physik. A, Hadrons and nuclei 330 (1988) 121-122**; *Decay study of neutron-deficient  $in-101$* ; Huyse M., Delmarmol P., Coenen E., Deneffe K., Van Duppen P., Vanhorenbeeck J. (Cit. : 5).

**Nuclear Physics A 466 (1987) 189-226**; *A shell-model description of  $0+$  intruder states in even even nuclei*; Heyde K., Jolie J., Moreau J., Ryckebusch J., Waroquier M., Van Duppen P., Huyse M., Wood J. (IF 2006: 1.71) (Cit. : 147).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 26 (1987) 399-405**; *Ligisol - the leuven ion guide isotope separator online*; Deneffe K., Brijs B., Coenen E., Gentens J., Huyse M., Van Duppen P., Wouters D. (IF 2006: 1.16) (Cit. : 27).

**Physical Review C 35 (1987) 1861-1877**; *Beta- $+$ /electron-capture decay of  $bi-192$ ,  $bi-194$ ,  $bi-196$ ,  $bi-198$ ,  $bi-200$  - experimental-evidence for low-lying  $0+$  states*; Van Duppen P., Coenen E., Deneffe K., Huyse M. (IF 2006: 3.48) (Cit. : 72).

**Nuclear Instruments and Methods in Physics Research. Section B, Beam interactions with materials and atoms 26 (1987) 105-111**; *Status-report of the leuven isotope separator online (lisol)*; Huyse M., Deneffe K., Gentens J., Van Duppen P., Wouters D. (IF 2006: 1.16) (Cit. : 23).

**Nuclear Instruments and Methods in Physics Research. Section A, Accelerators, spectrometers, detectors and associated equipment 254 (1987) 401-405**; *Timing properties of a  $lege$ -type (low-energy germanium) detector*; Van Duppen P., Duhamel P., Vanhorenbeeck J. (IF 2006: 1.32) (Cit. : 0).

**Zeitschrift für Physik. A, Hadrons and nuclei 324 (1986) 485-486**; *1st identification of a  $1/2+$  intruder state in the  $at-197$  isotope*; Coenen E., Deneffe K., Huyse M., Van Duppen P., Wood J. (Cit. : 9).

**Zeitschrift für Physik. A, Hadrons and nuclei 325 (1986) 149-155**; *The determination of the beta-decay energies of  $in-105-108$* ; Bom V., Coops P., Hollander R., Coenen E., Deneffe K., Van Duppen P., Huyse M. (Cit. : 7).

**Physical Review Letters 54 (1985) 1783-1786**; *Alpha-decay of neutron-deficient odd  $bi$  nuclei - shell-model intruder states in  $tl$  and  $bi$  isotopes*; Coenen E., Deneffe K., Huyse M., Van Duppen P., Wood J. (IF 2006: 7.33) (Cit. : 65).

**Physics Letters B 154 (1985) 354-357**; *Low-lying  $j$ - $\pi = 0+$  states in  $pb-190$ ,  $pb-192$  populated in the alpha-decay of  $po-194$ ,  $po-196$* ; Van Duppen P., Coenen E., Deneffe K., Huyse M., Wood J. (IF 2006: 5.08) (Cit. : 46).

**Journal of physics. G, Nuclear and particle physics 11 (1985) L59-L61**; *1st identification of gamma-rays in the beta- $+$ - $ec$  decay of  $sn-104$ ,  $sn-105$* ; Deneffe K., Coenen E., Huyse M., Van Duppen P., Vanhorenbeeck J., Delmarmol P., Fettweis P. (IF 2006: 2.12) (Cit. : 13).

**Hyperfine Interactions 22 (1985) 439-447**; *Recent developments at the leuven isotope separator on line*; Huyse M., Brijs G., Debisschop P., Gentens J., Coenen E., Deneffe K., Van Duppen P. (IF 2006: 0.21) (Cit. : 10).

**Physical Review Letters 52 (1984) 1974-1977**; *Observation of low-lying  $j$ - $\pi = 0+$  states in the single-closed-shell nuclei  $pb-192-198$* ; Van Duppen P., Coenen E., Deneffe K., Huyse M. (IF 2006: 7.33) (Cit. : 110).

**Zeitschrift für Physik. A, Hadrons and nuclei 315 (1984) 307-317;** *Decay study of in-103 and in-105;* Verplancke J., Coenen E., Cornelis K., Huyse M., Lhersonneau G., Van Duppen P. (Cit. : 17).

### **Chapters in books:**

**“The Euroschool Lectures on Physics with Exotic Beams, Vol. II” Springer Verlag Series: Lecture Notes in Physics, eds. Al-Khalili J.S., Roeckl E., volume 700, pg. 37-78 (2006)**

“Isotope Separation On Line and Post Acceleration”  
P. Van Duppen

### **Popular scientific journals:**

**Natuur en Techniek 59 (1991) 744-755**

“De kernenkringloop”  
M. Huyse en P. Van Duppen

**Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van België, Academiae Analecta jaargang 55, 1993, nr.4, 59 - 111**

“Bepaling van de werkzame doorsnede van de  $^{13}\text{N}(p,\gamma)^{14}\text{O}$  reactie met een 8.2 MeV  $^{13}\text{N}(T_{1/2}=9.96\text{ m})$  radioactieve ionenbundel”  
P. Van Duppen

**Natuur en Techniek 64, nr.11 (1996) 64-75**

“ISOLDE: fabriek van exotische atomen”  
P. Van Duppen

**Nuclear Physics News 6 (1996) 17-25**

“Physics with Radioactive Beams”  
W. Nazarewicz, B. Sherrill, I. Tanihata en P. Van Duppen

**Ecole Int. Joliot-Curie (Maubuisson, France., September 1997)**

“Noyaux Exotiques: Production, Propriétés Et Spécificités.”  
P. Van Duppen.

**Natuur en Techniek 67, nr. 3 (1999) 26-35**

“Dubbelmagisch nikkel”  
P. Van Duppen en M. Huyse

**NuPECC report, 2000, 1-96 (2000)**

“Radioactive Nuclear Beam Facilities”  
R. Bennett, P. Van Duppen, H. Geissel, K. Heyde, B. Jonson, O. Kester, G.-E. Körner, W. Mittig, A.C. Mueller, G. Münzenberg, H.L. Ravn, K. Riisager, G. Schrieder, A. Shotter, J.S. Vaagen and J. Vervier.

**NuPECC Long Range Plan 2004, 89-114 (2004)**

“Nuclear Structure”  
P. Van Duppen, F. Azaiez, B. Blank, G. de Angelis, J. Dobaczewski, H. Emling, K. Heyde, M. Leino, E. Moya de Guerra, D. Warner, K. Riisager and M.N. Harakeh

**EOS, maandblad over wetenschapp, 1 (2011) 100-101**

*“Scheve kernsplijting”*

J. Elseviers, M. Huyse, P. Van Duppen en S. Waelkens