

## ❖ Các công bố quốc tế ISI trong 5 năm gần đây

1. Tran Duc Thiep, Truong Thi An, Phan Viet Cuong, Nguyen The Vinh, Bui Minh Hue, A. G. Belov, O. D. Maslov, M. V. Gustova. "Isomeric ratio of  $^{137m}\text{Ce}$  to  $^{137g}\text{Ce}$  produced in  $^{138}\text{Ce}(\gamma, n)^{137m,g}\text{Ce}$  photonuclear reaction induced by end-point bremsstrahlung energies from 14 to 17; 21 to 23 and at 19 MeV" J. Radioanal. and Nucl. Chem. (2016) DOI: 10.1007/s10967-016-5064-2 .
2. N.T.Dang, D.P.Kozlenko, T.L.Phan, S.E.Kichanov, N.V.Dang, T.D.Thanh, L.H.Khiem, S. H.Jabarov, T.A.Tran, D.B.Vo, B.N.Savenko. Structural Polymorphism of Mn-Doped  $\text{BaTiO}_3$ . Journal of Electronic Materials. 45 (2016) 2447.
3. M.T.Vu, D.P.Kozlenko, S.E.Kichanov, I.O.Troyanchuk, EvgeniyLukin, Le Hong Khiem, B.N.Savenko. Pressure induced antiferromagnetism in the manganite  $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.83}\text{Nb}_{0.17}\text{O}_3$ . Journal of Alloys and Compounds 681 (2016) 527.
4. N.T.Dang, V.S.Zakhvalinskii, D.P.Kozlenko, Yu.S.Nekrasova, The-Long Phan, Ta Thu Thang, S.E.Kichanov, T.D.Thanh, B.N.Savenko, L.H.Khiem, S.V.Taran & S.G.Jabarov: Crystal structure, magnetic properties and conductivity mechanisms of  $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.5}\text{Fe}_{0.5}\text{O}_3$ . Journal of Ferroelectrics, 501 (2016) 129.
5. D.T.Tran, H.J.Ong. T.T.Nguyen, I.Tanihata, N.Aoi, Y.Ayyad, P.Y.Chan, M.Fukuda, T.Hashimoto, T.H.Hoang, E.Ideguchi, A.Inoue, T.Kawabata, L.H.Khiem, et al., Charge-changing cross-section measurements of 12-16C at around 45A MeV and development of a Glauber model for incident energies 10 A-2100A MeV. Physical Review C 00 4600 (2016).
6. P. Constantin, D. L. Balabanski and Phan Viet Cuong, Simulation of Photofission Experiments at the ELI-NP Facility. Nucl. Instr. and Meth. in Phys. Res. 372 (2016) 78.
7. D. Filipescu, D. L. Balabanski, F. Camera, V. Derya. M. Gai, A. Krasznahorkay, H. Utsumomiya, M. Sin, V. V. Varlamov, H. R. Weller, A. Zilges, A. Anzalone, G. Cats-Danil, P. Constantin, P. V. Cuong, et al. Perspective for photonuclear research at the Extreme Light Infrastructure-Nuclear Physics (ELI-NP) facility, The European Physical Journal A. 51 (2016) 185.
8. D.L. Balabanski, F. Ibrahim, P.V.Cuong et al. Photofission Experiments at ELI-NP, Romanian Reports in Physics, 68 (2016) 628.
9. Md. Shakilur Rahman, Kwangsoo Kim, Guinyun Kim, Muhammad Nadeem, Nguyen Thi Hien, Muhammad Shahid et al. Measurement of flux-weighted average cross-section and isomeric yield ratios for

$^{103}\text{Rh}(\gamma, xn)$  reactions in the bremsstrahlung end-point energies of 55 and 60 MeV. *European Physics Journal A* 52 (2016)194

10. Y. L. Sun, J. Lee, Y. L. Ye, A. Obertelli, Z. H. Li, N. Aoi, H. J. Ong, Y. Ayyad, C. A. Bertulani, J. Chen, A. Corsi, F. Cappuzzello, M. Cavallaro, T. Furono, Y. C. Ge, T. Hashimoto, E. Ideguchi, T. Kawabata, J. L. Lou, Q. T. Li, G. Lorusso, F. Lu, H. N. Liu, S. Nishimura, H. Suzuki, J. Tanaka, M. Tanaka, D. T. Tran, M. B. Tsang, J. Wu, Z. Y. Xu, and T. Yamamoto. Experimental study of knockout reaction mechanism using  $^{14}\text{O}$  at 60 MeV/nucleon. *Physical Review C* 93(2016) 044607.
11. J. Chen, J. L. Lou, Y. L. Ye, Z. H. Li, Y. C. Ge, Q. T. Li, J. Li, W. Jiang, Y. L. Sun, and H. L. Zang, N. Aoi, E. Ideguchi, H. J. Ong, Y. Ayyad, K. Hatanaka, D. T. Tran, T. Yamamoto, M. Tanaka, T. Suzuki, and N. T. Tho, J. Range, A. M. Moro, D. Y. Pang, J. Lee, J. Wu, H. N. Liu, and C. Wen. Elastic scattering and breakup of  $^{11}\text{Be}$  on protons at 26.9A MeV. *Physical Review C* 93(2016) 034623.
12. A.Matta, D.Beaumel, H.Otsu, V.Lapoux, N.K.Timofeyuk, N.Aoi, M.Assie, H.Baba, S.Boissinot, R.J.Chen, F.Delaunay, N.de Sereville, S.Franchoo, P.Gangnant, J.Gibelin, F.Hammache, Ch.Houarner, N.Imai, N.Kobayashi, T.Kubo, Y.Kondo, Y.Kawada, L.H.Khiem, et al. : New findings on structure and production of  $^{10}\text{He}$  from  $^{11}\text{Li}$  with the (d, $^3\text{He}$ ) reaction. *Physical Review C* 92 (2015) 041302
13. A.Matta, D.Beaumel, H.Otsu, V.Lapoux, N.K.Timofeyuk, N.Aoi, M.Assie, H.Baba, S.Boissinot, R.J.Chen, F.Delaunay, N.de Sereville, S.Franchoo, P.Gangnant, J.Gibelin, F.Hammache, Ch.Houarner, N.Imai, N.Kobayashi, T.Kubo, Y.Kondo, Y.Kawada, L.H.Khiem, et al. Missing mass spectroscopy of  $^8\text{He}$  and  $^{10}\text{He}$  by (d, $^3\text{He}$ ) reaction. *JPS Conf. Proc.*6 (2015) 030026.
14. H.Yamaguchi, D.Kahl, S.Hayakawa, Y.Sakaguchi, T.Nakano, Y.Wakabayashi, T.Hasimoto, T.Teranishi, S.Kubono, S.Cherubini, M.Mazzocco, S.Signorini, M.Gulino, A.Di Pietro, P.Figuera, M.La Cognata, M.Lattuada, C.Spitaleri, D.Torresi, P.S.Lee, C.S.Lee, T.Komatsubara, N.Iwasa, Y.Okoda, D.Pierroutsakou, C.Parascandolo, M.La Commara, E.Strano, C.Boiano, A.Boiano, C.Manea, A.M.Sanchez-Benitez, H.Miytake, Y.X.Watanabe, H.Ishiyama, S.C.Jeong, N.Imai, Y.Hirayama, S.Kimura, M.Mukai, Y.H.Kim, C.J.Lin, H.M.Jia, L.Yan, Y.Y.Yang, T.Kawabata, Y.K.Kwon, D.N.Binh, L.H.Khiem, N.N.Duy: Studies on nuclear astrophysics and exotic structure at the low-energy RI beam facility CRIB. *JPS Conf.Proc.*6 (2015) 010011.
15. T. D. Thiep, T. T. An, P. V. Cuong, N. T. Vinh, G. V. Minshinski, V. I. Zemenhik and B. N. Markov. Study of the isomeric ratio of fission product  $^{135}\text{Xe}$  produced in the photo-fission of  $^{232}\text{Th}$  and  $^{233}\text{U}$  induced by end-

- point bremsstrahlung energy of 13.5 MeV. *J. Radioanalytical and Nuclear Chemistry*, 303 (2015) 99 .
16. Tran Duc Thiep, Truong Thi An, Phan Viet Cuong, Nguyen The Vinh, A. G. Belov and O. D. Maslov. Study of the isomeric ratios in photonuclear reactions of natural platinum induced by end-point bremsstrahlung energies in the giant dipole resonance region. *J. Radioanalytical and Nuclear Chemistry*, 303 (2015) 1857.
  17. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Nguyen Thi Hien, Guinyun Kim, Kwangsoo Kim, Sung-Gyun Shin, Moo-Hyun Cho, Manwoo Lee. Thermal neutron capture and resonance integral cross sections of  $^{45}\text{Sc}$ . *Nucl. Instr. and Meth. in Phys. Res. B* 362 (2015) 9.
  18. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Nguyen Thi Hien, Bui Van Loat, Sung-Chul Yang, Kwangsoo Kim, Guinyun Kim, Tae-Young Song, Sung-Gyun Shin, Moo-Hyun Cho, Yong-Uk Kye, Man-Woo Lee. Isomeric yield ratios for the  $^{\text{nat}}\text{Ag}(\gamma, \text{xn})^{106\text{m.g};104\text{m.g}}\text{Ag}$  photonuclear reactions induced by 40-, 45-, 50-, 55-, and 60- Me<sup>V</sup> bremsstrahlung. *Nucl. Instr. and Meth. in Phys. Res. B* 342 (2015) 188.
  19. Y. U. Kye , S. G. Shin, M. H. Cho, K. S. Kim, W. Namkung, G. N. Kim, K. Kim, Y. R. Kang, S. C. Yang, M. Lee, S. Yang, Van Do N., Duc Khue P., Tien Thanh K., H. Naik, Measurement of isomeric yield ratios of  $^{197\text{m.g}}\text{Pt}$  and  $^{190\text{m2.g+m1}}\text{Ir}$  from the  $^{198}\text{Pt}(\gamma, \text{n})$  and  $^{\text{nat}}\text{Pt}(\gamma, \text{xnlp})$  reactions induced by 55-, 60-, and 65-MeV Bremsstrahlung. *Nucl. Instr. and Meth. in Phys. Res. B* 351 (2015) 35.
  20. P. V. Cuong, C. Delafosse, F. Didierjean, C. Gaulard, Nguyen Van Giai, A. Goasduff, F. Ibrahim, K. Kolos, C. Lau, M. Nikura, S. Rocchia, A. P. Severyukhin, D. Testov, S. Tuseau-Nenez and V. V. Voronov. Low lying intruder and tensor driven structures in  $^{82}\text{As}$  revealed by  $\beta$ -decay at BEDO. *Phys. Rev. C* 91, 064317.
  21. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Nguyen Thi Hien, Guinyun Kim, Sungchul Yang, Young-Sik Cho, Tae-Yung Song, Young-Ouk Lee, Sung Gyun Shin, Moo-Hyun Cho, Man Woo Lee. Thermal neutron capture cross section and resonance integral of the  $^{139}\text{La}(\text{n}, \gamma)^{140}\text{La}$  reaction. *Nucl. Instr. and Meth. in Phys. Res. B* 335 (2014) 1-7.
  22. S.C. Yang, K. Kim, G.N. Kim, H.I. Kim, Y.O. Lee, M.W. Lee, D.K. Pham, V.D. Nguyen, S.G. Shin, and M.H. Cho. Measurement of Isomeric Yield Ratio of  $^{143\text{m.g}}\text{Sm}$  from  $^{\text{nat}}\text{Sm}(\gamma, \text{xn})$  Reaction with End-Point Bremsstrahlung Energies of 40-60 MeV. *Nuclear Data Sheets* 119 (2014) 314–316.
  23. Sung-Chul Yang, Guinyun Kim, M. Zaman , Kwangsoo Kim, Tae-Yung Song, Young-Ouk Lee, Sung Gyun Shin, Young-Uk Key, Moo-Hyun Cho,

- Duc Khue Pham, Van Do Nguyen, Haladhara Naik, Tae-Ik Ro. Isomeric yield ratios of  $^{148}\text{Pm}$  from the  $^{\text{nat}}\text{Sm}(\gamma, x)$  and the  $^{\text{nat}}\text{Nd}(p, xn)$  reactions. *J. Radioanal. and Nucl. Chem.* 302 (2014) 467-476.
24. Tran Duc Thiep, Truong Thi An, Phan Viet Cuong, Nguyen The Vinh, Bui Minh Hue, A.G.Belov and O.D.Maslov. Study of the isomeric ratios in  $^{107}\text{Ag}(\gamma, n)^{106\text{m,g}}\text{Ag}$  reaction of natural silver induced by bremsstrahlungs with endpoint energies in the giant dipole resonance region, *J. Radioanalytical and Nuclear Chemistry*, 299 (2014) 477.
  25. D.P.Kozlenko, N.T.Dang, S.H.Jabarov, A.A.Belik, S.E.Kichanov, E.V.Lukin, C.Lathe, L.S.Dubrovinsky, V.Yu.Kazimirov, M.B.Smirnov, B.N.Savenko, A.I. Mammadov, E.Takayama-Muromachi and L.H.Khiem. *Journal of Alloys and Compounds*, 585 (2014) 741-747.
  26. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Nguyen Thi Hien, Guinyun Kim, Man-Woo Lee, and Moo-Hyun Cho. Measurement of isomeric yield ratios for the  $^{\text{nat}}\text{Ho}(\gamma, xn)^{164\text{m,g};162\text{m,g}}\text{Ho}$  reactions in the bremsstrahlung energy region from 45- to 65-MeV. *J. Radioanal. and Nucl. Chem.* 298 (2013) 1447-1452.
  27. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Nguyen Thi Hien, Guinyun Kim, Manwoo Lee, Youngdo Oh, Hee-Seok Lee, Moo-Hyun Cho, In Soo Ko, Won Namkung. Thermal neutron cross-section and resonance integral of the  $^{170}\text{Er}(n, \gamma)^{171}\text{Er}$  reaction. *Nucl. Instr. and Meth. in Phys. Res. B* 310 (2013) 10-17.
  28. H.Yamaguchi, D.Kahl, Y.Wakabayashi, S.Kubono, T.Hasimoto, S.Hayakawa, T.Kawabata, N.Iwasa, T.Teranishi, Y.K.Kwon, D.N.Binh, L.H.Khiem, N.G.Duy. Alpha-resonance structure in  $^{11}\text{C}$  studied via resonant scattering of  $^7\text{Be}+\alpha$  and  $^7\text{Be}(\alpha, p)$  reaction. *Physical Review C* 87 (2013) 034293.
  29. D.Verney, B.Tastet, K.Kolos, F.Le Blanc, F.Ibrahim, M.Cheikh Mhamed, E.Cottureau, P.V.Cuong, F.Didierjean, G.Duchene, S.Essabaa, M.Ferraton, S.Franchoo, L.H.Khiem, C.Lau, J.-F.Le Du, I.Matea, B.Mouginot, M.Niikura, B.Roussiere, I.Stefan, D.Testov and J.C.Thomas. Structure of  $^{80}\text{Ge}$  revealed by the beta-decay of  $^{80\text{a}+80\text{b}}\text{Ga}$ : triaxiality in the  $^{78}\text{Ni}$  vicinity. *Physical Review C* 87 (2013) 05430.
  30. K.Kolos, D.Verney, F.Ibrahim, F.Le Blanc, S.Franchoo, K.Sieja, F.Nowacki, C.Bonnin, M.Cheikh Mhamed, P.V.Cuong, F.Didierjean, G.Duchene, S.Essabaa, G.Germogli, L.H.Khiem, C.Lau, I.Matea, M.Niikura, B.Roussiere, I.Stefan, D.Testov and J.-C.Thomas. Probing nuclear structures in the vicinity of  $^{78}\text{Ni}$  with beta/beta-n decay spectroscopy of  $^{84}\text{Ga}$ . *Physical Review C* 88 (2013) 047301.

31. N.N.Duy, S.Kubono, H.Yamaguchi, D.Kahl, Y.Wakabayashi, T.Teranishi, N.Iwasa, Y.K.Kwon, L.H.Khiem, Y.H.Kim, J.S.Song, J.Hu, Y.Ayyad. Low-energy radioactive ion beam production of  $^{22}\text{Mg}$ . Nuclear Instruments and Methods in Physics Research A 723 (2013) 99.
32. J.Chen, A.A.Chen, G.Amadio, S.Cherubini, H.Fuzikawa, N.Iwasa, J.J.He, S.Hayakawa, D.Kahl, L.H.Khiem, Strong  $^{25}\text{Al}+p$  resonances via elastic scattering with a radioactive  $^{25}\text{Al}$  beam. Physical Review C 85(2012) 015805.
33. Tran Duc Thiep, Truong Thi An, Phan Viet Cuong, Nguyen Tuan Khai, Nguyen The Vinh, A. G. Belov and O. D. Maslov. J. Radioanalytical and Nuclear Chemistry. 292 (2012)1035
34. Nguyen Van Do, Pham Duc Khue, Kim Tien Thanh, Guinyun Kim, Man-Woo Lee, Kyung-Sook Kim, Eunae Kim, Moo-Hyun Cho, Hee-Seok Lee, Won Namkung. Isomeric yield ratios for the  $^{nat}\text{Sb}(\gamma, xn)^{120m,g}, ^{122m,g}\text{Sb}$  reactions measured at 40-, 45-, 50, 55-, and 60-MeV bremsstrahlung energies. Nucl. Instr. and Meth. in Phys. Res. B 283 (2012) 40-45.
35. Md. Shakilur Rahman, Manwoo Lee, Kyung-Sook Kim, Guinyun Kim. Eunae Kim, Moo-Hyun Cho, Valery Shvetshov, Won Namkung, Pham Duc Khue, Nguyen Van Do. Measurement of isomeric yield ratios of  $^{109m,g}\text{Pd}$ , and  $^{115m,g}\text{Cd}$  with 50-, 60-, and 70-MeV bremsstrahlung. Nucl. Instr. and Meth. in Phys. Res. B 276 (2012) 44-50.