

# Curriculum Vitae

## Personal details

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## Education

18/08/2009 Dr. rer. nat. degree in nuclear physics, Bonn university. Subject of the PhD Dissertation: “High-Spin  $\gamma$ -Ray Spectroscopy of  $^{124}\text{Ba}$ ,  $^{124}\text{Xe}$  and  $^{125}\text{Xe}$ ”  
Supervisor [Prof. H. Hübel](#)  
08/2003-08/2009 Ph.D. student at [Helmholtz-Institut für Strahlen- und Kernphysik](#), University of Bonn  
06/2003 Diploma degree in Physics Bonn University, Supervisor [Prof. H. Hübel](#); Subject of the Diploma thesis: “Shape co-existence in  $^{161}\text{Lu}$ ”  
10/2000-06/2003 Studying Diploma Physics at Bonn University, Germany  
1996 B.S. in Physical Sciences, section of solid state physics and electronics, Damsus University, Syria

## Work experience

2010-present Lecturer at department of physics, faculty of sciences, university of Damascus.  
Physical Mechanics 1 1<sup>st</sup> year physics students, faculty of sciences, Damascus university.  
Practical Physics lab 1 (Mechanics and optics) 1<sup>st</sup> year physics students, faculty of sciences, Damascus university.  
ElectronicsIII (Nuclear electronics and particle and radiatin detectors) 4<sup>th</sup> year physics students, faculty of sciences, Damascus University.  
General Physics 1<sup>st</sup> year pharmacy students, Arabic International University.  
Physics 2 (Magnetism) 1<sup>st</sup> year physics students, faculty of sciences, Damascus University.  
Practical Physics lab 8 (nuclear and atomic physics) 4<sup>th</sup> year physics students, faculty of sciences, Damascus University.  
Medical Physics for the preparatory year of Medical Colleges.  
General Physics (Mechanics, Heat, Waves and Sound) 1<sup>st</sup> year civil Engineering, Arabic International University.  
Radiation and Nuclear Physics MSc in Medical Physics.  
Particle Physics MSc in Theoretical Physics.  
Electrodynamics 3<sup>ed</sup> year physics students, faculty of sciences, Damascus university.  
Nuclear Physics II 4<sup>th</sup> year physics students, faculty of sciences, Damascus University.  
07/2008-07/2009 wissenschaftliche Hilfskraft (operator at Bonn cyclotron) beim Helmholtz-Institut für Strahlen- und Kernphysik der Universität Bonn  
10/2003-10/2007 wissenschaftliche Hilfskraft (operator at Bonn cyclotron) beim Helmholtz-Institut für Strahlen- und Kernphysik der Universität Bonn  
09/2002-06/2003 studentische Hilfskraft (operator at Bonn cyclotron) beim Helmholtz-Institut für Strahlen- und Kernphysik der Universität Bonn  
1997-2000 teaching activity at Damascus University, Syria

## Research

### [Investigation of atmoic nuclei structure at extream coditions](#)

06/2002 Experiment to study the structure of  $^{161,162}\text{Lu}$  at high angular momentum, IReS, Strasbourg, France  
12/2002 Experiment to study the structure of  $^{124}\text{Ba}$  at high angular momentum, IReS, Strasbourg, France  
09/2003 Experiment to measure the B(E2)-values in  $^{56}\text{Cr}$  and  $^{58}\text{Cr}$  at GSI, Darmstadt, Germany  
05/2004 Experiment to measure the B(E2)-values in  $^{56}\text{Cr}$  and  $^{58}\text{Cr}$  at GSI, Darmstadt, Germany  
01/2005 Experiment at JYFL, University of Jyväskylä, Finland  
04/2005 Experiment to measure the angular momentum distribution and  $E(2^+)$  in  $^{36}\text{Ca}$  at GANIL, France  
10/2006 Experiment to measure the lifetimes of the  $^{124,125,126}\text{Xe}$  at LNL, Legnaro, Italy

## List of Publications

1. A. Neusser, H. Hübel, B. Herskind, P. Fallon, P. Bringel, D. Curien, P. Bednarczyk, G. B. Hagemann, D. R. Jensen, A. Bürger, A. Gorgen, G. Gangopadhyay, **A. Al-Khatib**, N. Nenoff, G. Schönwasser, A. K. Singh, G. Sletten, G. Lo Bianco, C. M. Petrache, N. Singh, B. V. T. Rao, A. Korichi, A. Lopez-Martens, "Nuclear Shapes at the Highest Spins in Nd Nuclei", Niels Bohr Institute, 2002 Ann.Rept., p.58 (2003)
2. A. Neußer, H. Hübel, **A. Al-Khatib**, P. Bringel, A. Bürger, N. Nenoff, G. Schönwasser, A. K. Singh, C. M. Petrache, G. Lo Bianco, I. Ragnarsson, G. B. Hagemann, B. Herskind, D. R. Jensen, G. Sletten, P. Fallon, A. Gorgen, P. Bednarczyk, D. Curien, G. Gangopadhyay, A. Korichi, A. Lopez-Martens, B. V. Rao, T. S. Reddy and N. Singh, "Superdeformed band at very high spin in  $^{140}\text{Nd}$ ", Phys. Rev. C 70, 064315 (2004)
3. C. M. Petrache, M. Fantuzi, G. Lo Bianco, D. Mengoni, A. Neußer-Neffgen, H. Hübel, **A. Al-Khatib**, P. Bringel, A. Bürger, N. Nenoff, G. Schönwasser, A. K. Singh, I. Ragnarsson, G. B. Hagemann, B. Herskind, D. R. Jensen, G. Sletten, P. Fallon, A. Gorgen, P. Bednarczyk, D. Curien, G. Gangopadhyay, A. Korichi, A. Lopez-Martens, B. V. T. Rao, T. S. Reddy and Nirmal Singh, "Evolution from spherical single-particle structure to stable triaxiality at high spins in  $^{140}\text{Nd}$ ", Phys. Rev. C 72, 064318 (2005)
4. B. M. Nyako, F. Papp, J. Gal, J. Molnar, J. Timar, A. Algora, Zs. Dombrádi, G. Kalinka, L. Zolnai, K. Juhasz, A. K. Singh, H. Hübel, **A. Al-Khatib**, P. Bringel, A. Bürger, A. Neußer, G. Schönwasser, B. Herskind, G. B. Hagemann, C. R. Hansen, G. Sletten, J. N. Scheurer, F. Hannachi, M. Kmiecik, A. Maj, J. Styczen, K. Zuber, K. Hauschild, A. Korichi, A. Lopez-Martens, J. Roccas, S. Siem, P. Bednarczyk, Th. Byrski, D. Curien, O. Dorvaux, G. Duchene, B. Gall, F. Khalfallah, I. Piqueras, J. Robin, S. B. Patel, A. O. Evans, G. Rainovski, A. Airolidi, G. Benzoni, A. Bracco, F. Camera, B. Million, P. Mason, A. Paleni, R. Sacchi, O. Wieland, G. La Rana, R. Moro, C. M. Petrache, D. Petrache, G. De Angelis, P. Fallon, I.-Y. Lee, J. C. Lisle, B. Cederwall, K. Lagergren, R. M. Lieder, E. Podsvirova, W. Gast, H. Jäger, N. Redon, A. Gorgen, "Search for hyperdeformation in light Xe nuclei", Acta Phys. Pol. B36, 1033 (2005)
5. P. Mason, G. Benzoni, A. Bracco, F. Camera, B. Million, O. Wieland, S. Leoni, A. K. Singh, **A. Al-Khatib**, H. Hübel, P. Bringel, A. Bürger, A. Neußer, G. Schönwasser, B. M. Nyakó, J. Timár, A. Algora, Zs. Dombrádi, J. Gál, G. Kalinka, J. Molnár, D. Sohler, L. Zolnai, K. Juhász, G. B. Hagemann, C. R. Hansen, B. Herskind, G. Sletten, M. Kmiecik, A. Maj, J. J. Styczeń, K. Zuber, F. Azaiez, K. Hauschild, A. Korichi, A. Lopez-Martens, J. Roccas, S. Siem, F. Hannachi, J. N. Scheurer, P. Bednarczyk, Th. Byrski, D. Curien, O. Dorvaux, G. Duchêne, B. Gall, F. Khalfallah, I. Piqueras, J. Robin, S. B. Patel, O. A. Evans, G. Rainovski, C. M. Petrache, D. Petrache, G. La Rana, R. Moro, G. De Angelis, P. Falon, I.-Y. Lee, J. C. Lisle, B. Cederwall, K. Lagergren, R. M. Lieder, E. Podsvirova, W. Gast, H. Jäger, N. Redon and A. Gorgen, "Evidence for octupole correlations in  $^{124,125}\text{Ba}$ ", Phys. Rev. C 72, 064315 (2005)
6. P. Mason, P. Mason, G. Benzoni, A. Bracco, F. Camera, B. Million, O. Wieland, S. Leoni, A. K. Singh, **A. Al-Khatib**, H. Hübel, P. Bringel, A. Bürger, A. Neusser, G. Schönwasser, G. B. Hagemann, C. R. Hansen, B. Herskind, G. Sletten, A. Algora, Zs. Dombrádi, J. Gál, G. Kalinka, J. Molnár, B. M. Nyakó, D. Sohler, J. Timár, L. Zolnai, M. Kmiecik, A. Maj, J. J. Styczeń, K. Zuber, F. Azaiez, K. Hauschild, A. Korichi, A. Lopez-Martens, J. Roccas, S. Siem, F. Hannachi, J. N. Scheurer, P. Bednarczyk, Th. Byrski, D. Curien, O. Dorvaux, G. Duchêne, B. Gall, F. Khalfallah, I. Piqueras, J. Robin, K. Juhász, S. B. Patel, A. O. Evans, G. Rainovski, C. M. Petrache, D. Petrache, G. La Rana, R. Moro, G. De Angelis, P. Fallon, I.-Y. Lee, J. C. Lisle, B. Cederwall, K. Lagergren, R. M. Lieder, E. Podsvirova, W. Gast, H. Jäger, N. Redon and A. Gorgen, "Octupole signatures in  $^{124,125}\text{Ba}$ ", J. Phys. G 31, S1873 (2005)
7. H. Hübel, A. Bürger, T. R. Saito, H. Grawe, P. Reiter, F. Becker, J. Gerl, M. Gorska, H. J. Wollersheim, **A. Al-Khatib**, A. Banu, T. Beck, P. Bednarczyk, G. Benzoni, A. Bracco, S. Brambilla, P. Bringel, F. Camera, E. Clement, P. Doornenbal, H. Geissel, A. Gorgen, J. Grebosz, G. Hammond, M. Hellstrom, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, W. Korten, N. Kurz, R. Lozeva, A. Maj, S. Mandal, B. Million, S. Muralithar, A. Neußer, Zs. Podolyak, N. Saito, A. K. Singh, H. Weick, O. Wieland, M. Winkler, C. Wheldon, "Relativistic Coulomb Excitation of Neutron-Rich Cr Isotopes", Proc. XLIII Intern. Winter Meeting on Nuclear Physics, Bormio, Italy, 14 - 19 March 2005, I. Iori and A. Bortolotti, eds., p.232 (2005)
8. A. Bürger, T. Saito, **A. Al-Khatib**, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, P. Bringel, F. Camera, E. Clement, P. Doornenbal, H. Geissel, J. Gerl, M. Gorska, A. Gorgen, H. Grawe, J. Grebosz, G. Hammond, M. Hellstrom, H. Hübel, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Meczynski, D. Mehta, B. Million, S. Muralithar, A. Neußer, Zs. Podolyak, T. S. Reddy, P. Reiter, N. Saito, H. Schaffner, A. K. Singh, H. Weick, O. Wieland, C. Wheldon, M. Winkler, H. J. Wollersheim, "Relativistic Coulomb excitations of  $^{54,56,58}\text{Cr}$ ", Acta Phys. Pol. B36, 1249 (2005)
9. A. Bürger, T. R. Saito, H. Grawe, H. Hübel, P. Reiter, J. Gerl, M. Gorska, H. J. Wollersheim, **A. Al-Khatib**, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, S. Brambilla, P. Bringel, F. Camera, E. Clément, P. Doornenbal, H. Geissel, A. Gorgen, J. Grebosz, G. Hammond, M. Hellström, M. Honma, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, W. Korten, N. Kurz, R. Lozeva, A. Maj, S. Mandal, B. Million, S. Muralithar, A. Neußer, F. Nowacki, T. Otsuka, Zs. Podolyák, N. Saito, A. K. Singh, H. Weick, C. Wheldon, O. Wieland and M. Winkler, "Relativistic Coulomb Excitation of Neutron-Rich  $^{54,56,58}\text{Cr}$ ", Phys. Lett. B 622, 29 (2005)
10. P. Bringel, G. B. Hagemann, H. Hübel, **A. Al-Khatib**, P. Bednarczyk, A. Bürger, D. Curien, G. Gangopadhyay, B. Herskind, D. R. Jensen, D. T. Joss, Th. Kröll, G. Lo Bianco, S. Lunardi, W. C. Ma, N. Nenoff, A. Neußer-Neffgen, C. M. Petrache, G. Schönwasser, J. Simpson, A. K. Singh, N. Singh and G. Sletten, "Evidence for Wobbling Excitation in  $^{161}\text{Lu}$ ", Eur. Phys. J A 24, 167 (2005).

11. **A. Al-Khatib**, A.K. Singh, H. Hübel, P. Bringel, A. Bürger, A. Neußer, G. Schönwaßer, G.B. Hagemann, C.R. Hansen, B. Herskind, G. Sletten, A. Algora, Zs. Dombradi, J. Gal, G. Kalinka, J. Molnar, B.M. Nyakó, D. Sohler, J. Timar, L. Zolnai, M. Kmiecik, A. Maj, J. Styczeń, K. Zuber, K. Hauschild, A. Korichi, A. Lopez-Martens, J. Roccas, S. Siem, F. Hannachi, J.N. Scheurer, P. Bednarczyk, Th. Byrski, D. Curien, O. Dorvaux, G. Duchêne, B. Gall, F. Khalfallah, I. Piqueras, J. Robin, K. Juhász, S.B. Patel, A.O. Evans, G. Rainovski, A. Airoidi, G. Benzoni, A. Bracco, F. Camera, B. Million, P. Mason, A. Paleni, R. Sacchi, O. Wieland, C.M. Petrache, D. Petrache, G. La Rana, R. Moro, G. De Angelis, P. Fallon, I.-Y. Lee, J.C. Lisle, B. Cederwall, K. Lagergren, R.M. Lieder, E. Podsvirova, W. Gast, H. Jäger, N. Redon and A. Görge, "*High-spin states in  $^{124}\text{Ba}$* ", Acta Phys. Pol. B 36, 1029 (2005)
12. C. M. Petrache, A. Neußer-Neffgen, H. Hübel, **A. Al-Khatib**, P. Bringel, A. Bürger, N. Nenoff, G. Schönwaßer, A. K. Singh, M. Fantuzi, D. Mengoni, G. B. Hagemann, B. Herskind, D. R. Jensen, G. Sletten, P. Fallon, A. Görge, P. Bednarczyk, D. Curien, G. Gangopadhyay, A. Korichi, A. Lopez-Martens, B. V. T. Rao, T. S. Reddy, Nirmal Singh and I. Ragnarsson, "*Triaxiality at high spins in Nd nuclei*", Phys. Scr. T 125, 212 (2006)
13. B. Hersking, G. B. Hagemann, G. Sletten, Th. Døssing, C. Rønn Hansen, N. Schunck, S. Ødegård, H. Hübel, P. Bringel, A. Bürger, A. Neusser, A. K. Singh, **A. Al-Khatib**, S. B. Patel, A. Bracco, S. Leoni, F. Camera, G. Benzoni, P. Mason, A. Paleni, B. Million, O. Wieland, P. Bednarczyk, F. Azaiez, Th. Byrski, D. Curien, O. Dakov, G. Duchêne, F. Khalfallah, B. Gall, L. Piqueras, J. Robin, J. Dudek, N. Rowley, B. M. Nyakø, A. Algora, Z. Dombradi, J. Gal, G. Kalinka, D. Sohler, J. Molnár, J. Timár, L. Zolnai, K. Juhász, N. Redon, F. Hannachi, J. N. Scheurer, J. N. Wilson, A. Lopez-Martens, A. Korichi, K. Hauschild, J. Roccas, S. Siem, P. Fallon, I. Y. Lee, A. Görge, A. Maj, M. Kmiecik, M. Brekiesz, J. Styczeń, K. Zuber, J. C. Lisle, B. Cederwall, K. Lagergren, A. O. Evans, G. Rainovski, G. De Angelis, G. La Rana, R. Moro, W. Gast, R. M. Lieder, E. Podsvirova, H. Jäger, C. M. Petrache and D. Petrache, "*Charged particle feeding of hyperdeformed nuclei in the  $A=118-126$  region*", Phys. Scr. T 125, 108 (2006)
14. A. Bürger, M. Stanoiu, F. Azaiez, Zs. Dombradi, D. Sohler, A. Algora, **A. Al-Khatib**, B. Bastin, G. Benzoni, R. Borcea, C. Bourgeois, P. Bringel, E. Clement, J.-C. Dalouzy, Z. Dlouhy, A. Drouart, C. Engelhardt, S. Franchoo, Zs. Fulop, A. Görge, S. Grevy, H. Hübel, F. Ibrahim, W. Korten, J. Mrazek, A. Navin, C. Timis, F. Rotaru, P. Roussel-Chomaz, M.-G. Saint-Laurent, G. Sletten, O. Sorlin, Ch. Theisen, D. Verney, S. Williams, " *$^{36}\text{Ca}$ : The mirror nucleus of the double magic  $^{36}\text{S}$* ", Atomki 2005 Ann.Rept., p.12 (2006)
15. A. Bürger, M. Stanoiu, F. Azaiez, Zs. Dombradi, A. Algora, **A. Al-Khatib**, B. Bastin, G. Benzoni, R. Borcea, Ch. Bourgeois, P. Bringel, E. Clement, J.-C. Dalouzy, Z. Dlouhy, A. Drouart, C. Engelhardt, S. Franchoo, Zs. Fulop, A. Görge, S. Grevy, H. Hübel, F. Ibrahim, W. Korten, J. Mrazek, A. Navin, C. Timis, F. Rotaru, P. Roussel-Chomaz, M.-G. Saint-Laurent, G. Sletten, D. Sohler, O. Sorlin, Ch. Theisen, D. Verney, S. Williams, "*Spectroscopy of neutron-deficient nuclei around  $^{36}\text{Ca}$* ", Proc. Frontiers in Nuclear Structure, Astrophysics, and Reactions, Isle of Kos, Greece, 12-17 Sept. 2005, S.V. Harissopulos, P. Demetriou, R. Julin, Eds., p. 418 (2006); AIP Conf. Proc. 831 (2006)
16. A. Bürger, T.R. Saito, H. Grawe, H. Hübel, P. Reiter, J. Gerl, M. Gorska, H.J. Wollersheim, **A. Al-Khatib**, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, S. Brambilla, P. Bringel, F. Camera, E. Clement, P. Doornenbal, H. Geissel, A. Görge, J. Gregosz, G. Hammond, M. Hellstrom, M. Honma, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, W. Korten, N.N. Kurz, R. Lozeva, A. Maj, S. Mandal, B. Million, S. Muralithar, A. Neußer, F. Nowacki, T. Otsuka, Z. Podolyak, N. Saito, A.K. Singh, H. Weick, C. Wheldon, O. Wieland, M. Winkler, "*Relativistic Coulomb excitation of neutron-rich  $^{54,56,58}\text{Cr}$* ", GSI 2006-1, p.146 (2006)
17. P. Bringel, H. Hübel, **A. Al-Khatib**, A. Bürger, N. Nenoff, A. Neußer-Neffgen, G. Schönwaßer, A.K. Singh, G.B. Hagemann, B. Herskind, D.R. Jensen, G. Sletten, P. Bednarczyk, D. Curien, D.T. Joss, J. Simpson, G. Gangopadhyay, Th. Kroll, G. Lo Bianco, C.M. Petrache, S. Lunardi, W.C. Ma, N. Singh, "*Normal and superdeformed high-spin structures in  $^{161}\text{Lu}$* ", Phys. Rev. C 73, 054314 (2006)
18. **A. Al-Khatib**, A.K. Singh, H. Hübel, P. Bringel, A. Bürger, J. Domscheit, A. Neußer-Neffgen, G. Schönwaßer, G.B. Hagemann, C. Rønn Hansen, B. Herskind, G. Sletten, J.N. Wilson, J. Timár, A. Algora, Zs. Dombradi, J. Gál, G. Kalinka, J. Molnár, B.M. Nyakó, D. Sohler, L. Zolnai, R.M. Clark, M. Cromaz, P. Fallon, I.Y. Lee, A.O. Macchiavelli, D. Ward, H. Amro, W.C. Ma, M. Kmiecik, A. Maj, J. J. Styczeń, K. Zuber, K. Hauschild, A. Korichi, A. Lopez-Martens, J. Roccas, S. Siem, F. Hannachi, J.N. Scheurer, P. Bednarczyk, Th. Byrski, D. Curien, O. Dorvaux, G. Duchêne, B. Gall, F. Khalfallah, I. Piqueras, J. Robin, A. Görge, K. Juhász, S.B. Patel, A.O. Evans, G. Rainovski, G. Benzoni, A. Bracco, F. Camera, S. Leoni, P. Mason, B. Million, A. Paleni, R. Sacchi, O. Wieland, C.M. Petrache, D. Petrache, G. La Rana, R. Moro, G. De Angelis, J.C. Lisle, B. Cederwall, K. Lagergren, R.M. Lieder, E. Podsvirova, W. Gast, H. Jäger and N. Redon, "*Competition between collective and non-collective excitation modes at high spin in  $^{124}\text{Ba}$* ", Phys. Rev. C 74, 014305 (2006)
19. B. Herskind, G.B. Hagemann, T. Døssing, C. Rønn Hansen, N. Schunck, G. Sletten, S. Ødegård, H. Hübel, P. Bringel, A. Bürger, A. Neußer, A.K. Singh, **A. Al-Khatib**, S.B. Patel, B.M. Nyakó, A. Algora, et. al, "*Light charged particles as a gateway to hyperdeformation*", Acta. Physica Polonica B 38, 1421 (2007)
20. P. Doornenbal, P. Reiter, H. Grawe, T. Otsuka, **A. Al-Khatib**, A. Banu, T. Beck, F. Becker, P. Bednarczyk, G. Benzoni, A. Bracco, A. Bürger, L. Caceres, F. Camera, S. Chmel, F.C.L. Crespi, H. Geissel, J. Gerl, M. Gorska, J. Gregosz, H. Hübel, M. Kavatsyuk, O. Kavatsyuk, M. Kmiecik, I. Kojouharov, N. Kurz, R. Lozeva, A. Maj, S. Mandal, W. Meczynski, B. Million, Zs. Podolyák, A. Richard, N. Saito, T. Saito, H. Schaffner, M. Seidlitz, T. Striepling, Y. Utsuno, J. Walker, N. Warr, H. Weick, O. Wieland, M. Winkler and H.J. Wollersheim, "*The  $T=2$  mirrors  $^{36}\text{Ca}$  and  $^{36}\text{S}$ : A test for isospin symmetry of shell gaps at the driplines*", Phys. Lett. B 647, 237 (2007)

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22. A. Bürger, F. Azaiez, M. Stanoiu, Zs. Dombradi, A. Algora, **A. Al-Khatib**, B. Bastin, G. Benzoni, R. Borcea, Ch. Bourgeois, P. Bringel, E. Clément, J.-C. Dalouzy, Z. Dlouhy, A. Drouart, C. Engelhardt, S. Franchoo, Zs. Fülöp, A. Gö rgen, S. Grévy, H. Hü bel, F. Ibrahim, W. Korten, J. Mrazek, A. Navin, F. Rotaru, P. Roussel-Chomaz, M.-G. Saint-Laurent, G. Sletten, D. Sohler, O. Sorlin, Ch. Theisen, C. Timis, D. Verney and S. Williams, " *Spectroscopy Around  $^{36}\text{Ca}$* ", Acta Physica Polonica B 38, 1353 (2007)
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34. T. Zerrouki, C.M. Petrache, R. Leguillon, K. Hauschild, A. Korichi, A. Lopez-Martens, S. Frauendorf, I. Ragnarsson, H. Hübel, A. Neußer-Neffgen, **A. Al-Khatib**, P. Bringel, A. Bürger, N. Nenoff, G. Schönwaßer, A.K. Singh, D. Curien, G.B. Hagemann, B. Herskind, G. Sletten, P. Fallon, A. Görgen, and P. Bednarczyk, “*Shape evolution and magnetic rotation in  $^{141}\text{Nd}$* ”, Eur. Phys. J. A 51, 50 (2015)
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## Talks

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|---------|--|
| 11/2003 | Talk “ <i>High-Spin States in <math>^{124}\text{Ba}</math></i> ”, Workshop in Trento, Italy  |
| 09/2004 | Talk “ <i>High-Spin States in <math>^{124}\text{Ba}</math></i> ”, Zakopane School of Physics, International Symposium “Atomic nuclei at extreme values of temperature, spin and isospin”, Zakopane, Poland |
| 09/2006 | Talk “ <i>High-Spin Spectroscopy of <math>^{124,125,126}\text{Xe}</math></i> ”, Zakopane Conference on Nuclear Physics “Trends in Nuclear Physics”, Zakopane, Poland                                       |

## Skills

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|-----------|--|
| Languages | Arabic, German and English   |
| Computer  | Linux (Debian, Suse), Windows, C++, C, $\text{\LaTeX}$ , Open Office, Microsoft Office, Gnuplot, Grace, Corel draw, System administrator (PC cluster). |
| Hobbies   | Sport and reading  |

Damascus, June 26, 2018