



VARNA FREE UNIVERSITY

CHERNORIZETS HRABAR

FACULTY OF ARCHITECTURE
CONSTRUCTION OF BUILDINGS AND FACILITIES DEPARTMENT



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Reception days: Monday 11.00-13.00

EDUCATION

- 1973-1978 – Master on Physics – Sofia State University, Physics Department
- 1995 - 2000 – *PhD* – INRNE, Bulgarian Academy of Sciences – Neutronics and Reactor Physics
- 2002-2004 *JNC, Japan* – *Postdoc on Reactor Physics*

EXPERIENCE

- 1979 - 1982 Kozloduy NPP - Safety supervising physicist
- 1983 – 2002 – TU Varna, Physics dept. – Assistant professor
- since 2004 – Varna Free University – Dept. of Architecture – Associated professor (since 2006)

RESEARCH

- Nuclear reactor physics and safety
- Nuclear energy
- Radiation protection

PARTICIPATION IN PROJECTS:

- EU FP6 NURESIM Integrated Project (2005-2008)
- EU FP7 NURISP Collaborative Project (2009 -2011)
- EU FP7 NURESAFE Collaborative Project (2012-2015)

CERTIFICATES , SPECIALIZATION, mobilities

- 2002 - 2004 – *Post-Doc in Japan Nuclear Cycle Development Institute (JNC) Japan*
- 2005 – 2009 – *Qualification courses on software for nuclear analyses at CEA, France (SERMA) (APOLLO2, CRONOS, SOLOME platform)*
- July 2013 Qualification international course on CTF software for thermo-hydraulic analyses-lecturer from PSU, USA RDFMG
- July 2017 Train the Trainers course for radiation protection officers of medical and industrial facilities, IAEA

NUMBER OF PUBLICATIONS / REPORTS : 79

NUMBER OF CITATIONS : 48

LIST OF PUBLICATIONS

Galina Dimova Todorova (-Aleкова)

Articles with IF / SJR

1. N.Petrov, G.Todorova, N.P.Kolev, “*APOLLO2 and TRIPOLI4 solutions of the OECD VVER-1000 LEU and MOX assembly benchmark*”, *Annals of Nuclear Energy*, 55 (2013) 93–107, Elsevier ISSN 03064549 <http://dx.doi.org/10.1016/j.anucene.2012.12.010> ; IF 1.020
2. N.P.Kolev, N.Petrov, G.Todorova, P.Bellier, “*OECD VVER-1000 LEU and MOX assembly benchmark solutions with APOLLO2*”, *Transactions of the ANS*, vol. 97 (2007) 705-707, ISSN: 0003-018X ; SJR 0.218; <https://www.tib.eu/en/search/id/BLSE%3ARN218219936/OECD-VVER-1000-LEU-and-MOX-Assembly-Benchmark-Solution>
3. G. Todorova, H. Nishi, J. Ishibashi “*Transport Criticality Analysis of FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP*”, *Journal of Nuclear Science and Technol.*, 41[4], pp. 493-501(2004), ISSN 0022-3131; SJR 0.542
4. G. Todorova, H. Nishi, J. Ishibashi *Method for Condensation of the Macroscopic Transport Cross-Sections for Criticality Analyses of FBR MONJU by the Code NSHEX. Journal of Nuclear Science and Technol.*, 41[12], Dec. 2004, pp 1237-1244, ISSN 0022-3131; SJR 0.542
5. G. Alekova, T. Apostolov, “*Improved coarse-mesh method for neutron diffusion calculations in hexagonal-Z geometry*”, *Kerntechnik*, Vol. 64 No 4 (1999), pp 198-203 ISSN 0932-3902; IF 0.265 (2010)
6. T. Apostolov, G. Alekova and K. Ivanov, “*Comparative Analysis of VVER-1000 Benchmark Calculations and Improvements in Hexagonal-Z Diffusion Methodology*”, *Annals of Nuclear Energy*, Vol 25, No 1-3, 1998, pp 83-95, Elsevier ISSN 03064549; IF 1.020

Conference papers with SJR

7. N.Zheleva, N.Petrov, G.Todorova, N.Kolev (2014) “*Generation and testing of XS libraries for VVER using APOLLO2 and TRIPOLI4*”, *Proc. Joint Int. Conf. on Supercomputing in Nuclear Applications and Monte Carlo (SNA + MC 2013) Paris, France, October 27-31, 2013, © SFEN France, 2014* https://sna-and-mc-2013-proceedings.edpsciences.org/articles/snamc/abs/2014/01/snamc2013_02212/snamc2013_02212.html; SJR 0.171 (2015)
8. N. Zheleva, P. Ivanov, G. Todorova, N. Kolev, J.J. Herrero, “*Benchmarking of calculation schemes in APOLLO2 and COBAYA3 for VVER lattices*”, *Proc. International Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering, M and C 2013, Sun Valley, Idaho, May 5-9, 2013, Vol.1, pp. 13-26, ISBN 978-0-89448-700-2* ; <http://www.ans.org/store/item-700377/> © American Nuclear Society, LaGrange Park, IL; SJR 0.307

9. N.Petrov, G.Todorova, N.Kolev, F.Damian, "Two-level MOC calculation scheme in APOLLO2 for XS library generation for LWR hexagonal assemblies", Proc. Int. Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering, M and C 2011, Rio de Janeiro, May 2011 © ANS, LaGrange Park, IL, ISBN 978-85-63688-00-2; SJR 0.272 <https://www.researchgate.net/publication/267383257>
10. N.Petrov, N.P.Kolev, G.Todorova, F.-X.Hugot, T.Visonneau, „TRIPOLI4 Solutions to VVER-1000 Assembly and Core Benchmarks“, Proc. ANS - Int. Conf. on Mathematics, Computational Methods and Reactor Physics 2009, M&C 2009, Saratoga Springs, USA, May 2009, © ANS, LaGrange park, IL. ISBN: 978-0-89448-069-0; SJR 0.267 https://www.researchgate.net/publication/290094267_TRIPOLI4_solutions_of_VVER-1000_assembly_and_core_benchmarks
11. G.Todorova, N.Petrov, N.P.Kolev, P.Bellier, H.Golfier, "2D core calculations with APOLLO2 for VVER-1000", Proc. ANS/ENS Int. Conference on the Physics of Reactors 2008, PSYSOR 08, Interlaken, Switzerland, September 14-19, 2008, Vol.1, pp.643-650 ISBN 978-3-9521409-5-6; © PSI, Switzerland SJR 0.282 <https://inis.iaea.org/search/searchsinglerecord.aspx?recordsFor=SingleRecord&RN=41119233>

Articles in journals without IF / SJR

12. G. Todorova, H. Nishi, J. Ishibashi, "MONJU Core Neutronics Analysis Method Upgrading Research - New Collapsing Algorithm for Condensation of the Macroscopic Transport Cross-Sections for the 3-D Transport Code NSHEX", JNC Technical Review (Saikuru Kiko Giho), 27, [2005.6], pp 1-16, (2005), ISSN 1344-4239, <https://rdreview.jaea.go.jp/gihou/pdf3/n27-01.pdf>
13. G. Todorova, H. Nishi, J. Ishibashi, "Transport Criticality Analysis for FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP", JNC Technical Review (Saikuru Kiko Giho), 22[2004.3], pp. 1-10, (2004), ISSN 1344-4239, <https://inis.iaea.org/search/searchsinglerecord.aspx?recordsFor=SingleRecord&RN=35047613>
14. Г. Тодорова. *Ролята на бързите реактори в ядрения горивен цикъл и настоящ статус на японския бърз реактор MONJU*. Научен алманах на Варненския Свободен Университет "Черноризец Храбър", Кн.2, серия Архитектура и Строителство, 2005, стр. 99-107
15. G. Alekova, R. Prodanova, T. Apostolov, „Software System for Reactor-physics Analyses“, Доклади на БЯД, Том 6, Брой 1, юни 2001, стр. 32-36, ISSN 1310-8727
16. Г. Алекова, Р. Проданова Т. Апостолов, "Пресмятане на неутронно-физични характеристики на реактори тип ВВЕР-1000", Механика на машините, 32, Кн. 4. 2000, ТУ Варна. стр. 14-17. ISSN 0861-9727
17. Г. Алекова, Т. Апостолов, "Метод за реакторно-физични пресмятания с повишена точност", Механика на машините, 24, Кн. 4, 1998. ТУ-Варна, Стр. 52-55, ISSN 0861-9727

18. Р. Проданова, Г. Алекова, Т. Апостолов, ”*Реакторно-физични пресмятания със системата RADMAGRU-HEXAB-3DI*“, Доклади на БЯД, Том 5, Брой 2, Септември 2000, pp. 105-106. ISSN 0861-9727
19. Г. Алекова, Т. Петрова, Р. Проданова, Б. Петров, “*Сравнителни тестови пресмятания на неутронно-физични характеристики на реактор ВВЕР-1000*“, Доклади на БЯД, Том. 4 No1, 1999, стр. 25-30, ISSN 1310-8727
20. Г. Алекова, Т. Апостолов. *Приложение на диференцираната нелинейна корекция за повишаване на точността на неутронно-физичните разчети в програмата HEXAB-3D*. Доклади на БЯД, Том. 3 No 1, 1998, стр. 9-13 , ISSN 1310-8727
Conference papers (in reviewed proceedings)
21. N. Zheleva, J.J.Herrero, G.Todorova, P.Ivanov, N.Kolev, *Benchmarking Of Cobaya3 Pin-Bu-Pin For VVER*, 22nd Symposium of AER on VVER Reactor Physics and Reactor Safety, Pruhonice, Czech Republic, October 1-5, 2012, Atomenergia Press (2012) pp.521-533
ISBN 978-963-508-625-2
<http://oa.upm.es/19569/>
22. G.Todorova, N.Petrov, N.Zheleva, N.Kolev, “Advanced calculation schemes for XS library generation in hexagonal geometry with APOLLO2”, Proc. 21st Symposium of AER on VVER Reactor Physics and Reactor Safety, Drezden, 2011, MTA Atomenergia Press, Budapest (2011)
<http://www.aer-web.com/paper/314>
23. G.Todorova, N.Petrov, N.P.Kolev, F.-X.Hugot, “2D core solutions for VVER-1000 with APOLLO2 and TRIPOLI4”, Proc. 19th AER Symposium on VVER reactor physics and safety, Varna, September 21-25, 2009, pp. 167-182; ISBN 978-963-372-642-6
<http://www.aer-web.com/paper/407>
24. G. Todorova, H. Nishi, J. Ishibashi. *A Study on the Effect of the Cross-Sections Collapsing Method in FBR MONJU Criticality Analysis by the Transport Codes NSHEX and GMVP*. Proc. 2004 Annual Meeting of the Atomic Energy Society of Japan, Okayama, Japan, March. 29-31, 2004, p.490 (O55), (2004)
25. G. Todorova, H. Nishi, J. Ishibashi. „*A study on Energy Group Dependency of Transport Effect in FBR MONJU Initial Critical Core Criticality Analysis*“. Proc. 2003 Fall Meeting of the Atomic Energy Society of Japan, Shizuoka, Japan, Sept. 24-26, 2003, p.301 (E22), (2003)
26. T. Apostolov, G. Alekova, R. Prodanova, „*WVER-1000 Steady State Calculations by HEXAB-3DI – RADMAGRU Code System - Research Activity, Recent Results and Perspective*“, Proc. of the 10th Symposium of AER. September 18-22, 2000, Moscow, Russia, Pp. 875-885, AER SK01ST107, INIS-SK-01-010;
<https://www.osti.gov/etdeweb/servlets/purl/20221898>
27. G. Alekova, T. Apostolov, “*Solution of VVER-1000 Benchmark by HEXAB-3D Improved Version*”, Proc. of the VIII AER Symposium on VVER Reactor Physics and Reactor Safety. Sept. 21-25, 1998, Bystrice nad Pernstejnem, Czech Republic. pp. 421-427, ISBN 963-372-

615-8, Proceedings of the eighth Symposium of AER, INIS Volume 31, Issue 25;
<https://www.osti.gov/etdeweb/servlets/purl/20199210>

28. G. Alekova, K. Ivanov, T. Apostolov. "A New Approach to the Improved Diffusion Discrimination Scheme". Proc. of the IV AER Symposium on VVER Reactor Physics and Reactor Safety, Sozopol, Bulgaria, October 10-14, 1994. pp. 181-186
29. T. Apostolov, G. Alekova, R. Prodanova, T. Petrova and K. Ivanov, "VVER In-Core Fuel Management Benchmark Definition, Benchmark Calculations and Comparative Analyses", Proc. of the International Conference on Reactor Physics and Reactor Computations, 526, Tel Aviv, Israel, January 23-26 1994. pp. 526-533,
https://inis.iaea.org/collection/NCLCollectionStore/_Public/25/044/25044740.pdf
30. G. Alekova, K. Ivanov, T. Apostolov. *Improved Diffusion Problem Discretization Scheme in Three-Dimensional Hexagonal Geometry for VVER-1000 Core Analysis*. Proc. of the III AER Symposium on VVER Reactor Physics and Reactor Safety, Piestiany, Slovakia, October, 1993. pp. 35-38
31. Т. Апостолов, К. Иванов, Р. Проданова, М. Манолова, Т. Петрова, Г. Алекова, "Програмни системи за оперативно и прецизно пресмятане на основните неутронно-физически характеристики, избор на оптимални картограми за презареждане на активните зони, анализ и обосновка на режимите на експлоатация на действащите и перспективни реактори ВВЕР". Сборник доклади на Научно-Технически Семинар по Математически Модели в Ядрената Безопасност и Радиационната Защита, Комитет за мирно използване на ядрената енергия, София. 7-8 Април 1993. стр 212-220;
https://inis.iaea.org/collection/NCLCollectionStore/_Public/25/031/25031683.pdf?r=1&r=1
32. T. Apostolov, G. Alekova. "Core Design Parameters for VVER-1000. Benchmark for VVER-1000 at the Kozloduy NPP, Unit 5, Cycles 1 and 2", Proc. of II AER Symposium on VVER Reactor Physics and Reactor Safety, Paks, Hungary, 1992. pp. 409-421

Chapters

33. Alekova G., Apostolov T., Chrapsiak V., Crijns M., Darilek P., Jagannathan V., Jain R.P., Kaloinen E., Liventseva J., Mollian D., Nemets I., Petrova T., Roine T., Saprykin V., Shim Hong-Gi, Suh Doo-Suhk, Suslov A., Svarny J., Thomas S., Vrba L., Yadov R.D.S. "In-Core Fuel Management Code Package Validation for WWERS" IAEA, VIENNA, 1995, IAEA-TECDOC-847, November 1995, (p 26-32, 40-52, 93-99), ISSN 1011-4289
https://inis.iaea.org/collection/NCLCollectionStore/_Public/28/026/28026025.pdf
34. G. Alekova, R. Prodanova, AER-FCM-102 Benchmark specification sheet, AER Benchmark Book, AEKI-KFKI, Budapest, 1999 on-line at <http://aerbench.kfki.hu/> ;
<http://aerbench.kfki.hu/aerbench/>

Reviewed Technical reports

35. N. Zheleva, Todorova G., Kolev N., Sanchez-Cervera S., Garcia-Herranz N. Pin-level VVER cross-section library parameterized for MSLB, NURESAFE D14.26-v1 EU-Euratom

Project Report, Oct 2015, 2015, p.1-50

36. N.Kolev, I.Spasov, G.Todorova, "VVER MSLB Specification Part1: Vessel mixing and nodal level MSLB simulation". NURES SAFE Project Report – D14.11, 30.05.2014
37. N.Zheleva, G.Todorova, N.Petrov, I.Spasov, N.Kolev, N. Garcia, S.Sanchez-Servera, "Nodal XS library for VVER parameterized for MSLB", NURES SAFE SP1 Meeting, HZDR, Dresden, 09.07.2013
38. N.Kolev, I.Spasov, G.Todorova "VVER MSLB specifications", ,NURES SAFE SP1 Meeting, HZDR, Dresden, 09.07.2013, NURES SAFE **Project** D1.4.11.2 Report, Euratom, June 2014
39. G.Todorova, N.Zheleva, N.Petrov, P.Ivanov, N.P.Kolev (INRNE), JJ.Herrero (UPM) "Specifications and results of the VVER lattice benchmark using APOLLO2, TRIPOLI4 and COBAYA3 pin-by-pin", NURISP R-D1.4.5a, January and May 2012
<http://www.nuresim.com/www/nurisp/index.php?art=31>
40. N.Kolev, N.Petrov, N.Zheleva, G.Todorova, M.Manolova, P.Ivanov, N.Mihaylov, (INRNE), J-F.Vidal, F.Damian, P.Bellier, F-X.Hugot (CEA), C.Ahnert, JJ.Herrero, N.Garcia-Herranz, S.Sanchez-Cervera, JA.Lozano (UPM), G.Hegyi, A.Keresturi (KFKI), S.Canepa, H.Ferroukhi (PSI), U.Rohde, Y.Bilodid, S.Mittag (HZDR), J.Hadek (NRI), J.Dufek (KTH), Core Physics Benchmarking Overview, NURISP General seminar, KIT, April 2-3, 2012
41. N.Kolev, N.Petrov, G.Todorova,C.Magnaud, F.Damian, P.Bellier, Development of Calculation Schemes and Generation of XS Libraries with APOLLO2 at the Nodal level for CRONOS2 and DYN3D Diffusion and SP3 Analyses of PWR and VVER . D1.3.1. NURISP document, (2011)
42. G.Todorova, N.Petrov, N.Zheleva, P.Ivanov, N.Kolev,J.Herrero, VVER Benchmarking Using APOLLO2 and TRIPOLI4 and COBAYA3 Pin-by-Pin. NURISP SP1 Meeting, Karlsruhe, September 19-20th, 2011, CEA Database
43. N.Kolev, N.Petrov, G.Todorova "Report specifying the necessary cross-sections for the VVER MSLB benchmark to be generated in SP1", NURISP D3.1.3.2, 29.May 29 2010
44. G.Todorova, N.Petrov, N.Kolev, P.Konstantinov, E.Puncheva, I.Spasov, Tz.Tzanov, N.Zheleva, M.Manolova, F.Damian "APOLLO2 Generated Few-Group XS Library for VVER MSLB Analysis at the Nodal Level" , NURISP SP1 Meeting, Varna, Sept 29-Oct 1, 2010
45. N.Zheleva, G.Todorova, N.Petrov, N.Kolev, N.Garcia-Herranz, S.Santiago, "Multi-parameter XS library for VVER MSLB analysis at the nodal level", NURISP SP1 Meeting, Varna, Sept 29-Oct 1, 2010
46. N.Petrov, G.Todorova, N.Kolev, F.Damian, P.Bellier. Advanced Calculation Schemes for XS Libraries Generation with APOLLO2 at the Nodal level; NURISP SP1 Meeting, Varna, Sept 29-Oct 1, 2010

47. N.Kolev, N.Petrov, G.Todorova, C.Magnaud, F.Damian, P.Bellier (2010) “Development of calculation schemes and generation of XS libraries with APOLLO2 at the nodal level for CRONOS2 and DYN3D diffusion and SP3 analysis of PWR and VVER”, EU-Euratom NURISP D1.3.1 Report, February 2010
48. N.P.Kolev, J.Donov, G.Todorova N.Petrov, D.Popov, K.Kamenov, “VVER-1000 Data for Core Physics Calculations”, EURATOM NURESIM Project Report, November, 2008
49. G.Todorova, N.P.Kolev, N.Petrov, P.Bellier, S.Santandrea, Solution of the V1000-2D-C1-tr benchmark by APOLLO2 MOC, EU-Euratom NURESIM M19b2 WP-T1.4.3 Report, Sept 12, 2007; Rev. Oct 2008
50. G.Todorova, N.Petrov, N.P.Kolev, F.X. Hugot, T. Visonneau, “Solution of VVER-1000 core benchmarks by TRIPOLI4: V1000-2D-C1-tr and V1000CT2-EXT1”, NURESIM Project Report, Milestone 02f, Nov.20. 2008
51. N.Kolev, N.Petrov, G.Todorova, P.Bellier, “APOLLO2 and TRIPOLI4 Solutions of the OECD VVER-1000 LEU and MOX Assembly Benchmark”, EURATOM NURESIM Project Report, June 26, 2008, revised Nov.03.2008
52. N.P. Kolev (INRNE), C. Calvin (CEA), J.M. Aragonés (UPM), D. Couyras (EDF), P. Magat, P. Bellier, S. Santandrea (CEA), M. Manolova, N. Mihaylov, G. Todorova, N. Petrov (INRNE), J.A. Lozano, J.J. Herrero, J. Jiménez, N. García-Herranz (UPM), ”Overview report on the specifications, reference data and results for the PWR core physics validation benchmarks and their analysis”, WP1.4, Deliverable D1.4.2, M18d, Nov 2008
53. G.Todorova, N.Kolev, N.Petrov, P.Bellier, S.Santandrea “*APOLLO2 Solution of the V1000-2D-C1 Core Benchmark (V1000-2D-C1-tr extension)*”, FP6-Euratom NURESIM Project Report, M19e1, September 12, 2007 , revised Oct.2008 : “Solution of VVER mathematical benchmarks (I) V1000-2D-C2-tr by APOLLO2 MOC’
54. N.Kolev, N.Petrov, G.Todorova, S.Santandrea “APOLLO2 MOC Solution of the NURESIM V1000CT2-EXT1 Core Benchmark”, EURATOM NURESIM Project Report, September 14, 2007, 24 pages, revised Oct.22, 2008: “Solution of mathematical benchmarks (III):V1000CT2-EXT1 by APOLLO2-MOC’
55. N.P.Kolev, G.Todorova, P.Bellier, “From Lattice to 2D Core Calculations for VVER with APOLLO2, EURATOM NURESIM Project Report, Milestone 19e3, January 28.2008, rev. May 15, 2008
56. N.Kolev, G.Todorova, N.Petrov, P.Bellier, “*OECD VVER-1000 LEU and MOX assembly benchmark solutions with APOLLO2*”, in Advanced Methods, Codes and Benchmarking of the NURESIM Core Physics European Simulation Platform, Proc. ANS Winter Conf., Washington DC, Nov 12-15, 2007
57. N.Petrov, N.Kolev, G.Todorova, J.Jordanova, P.Bellier, “*APOLLO2 solutions of the OECD VVER-1000 LEU and MOX assembly benchmark*”, EURATOM NURESIM Project Report, Sept 5, 2007

58. G. Todorova. *The Input Generator NSFIX for the Code NSHEX*. Japan, JNC TM. CD-02-037, 2002
59. G. Todorova. *Study on the Applicability of the Code NSHEX to the MONJU Core Physics Test Analyses*. Japan, JNC TM ,CD-02-042, 2002
60. G. Todorova. *Investigation on transport analysis of FBR Monju Initial Critical Core*. Japan, JNC TM , CD-02-053, 2002
61. G. Todorova: *Transport Criticality Analysis of FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP (1)*. Japan, JNC TM , CD-03-015, 2003
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63. G. Todorova. *Transport Criticality Analysis of FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP(3)*. Japan, JNC TM , CD-03-020, 2003
64. G. Todorova. *Transport Criticality Analysis of FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP (4)*. Japan, JNC TM , CD-03-022, 2003
65. G. Todorova. *Transport Criticality Analysis of FBR MONJU Initial Critical Core in Whole Core Simulation by NSHEX and GMVP (5)*, Japan, JNC TM , CD-03-024, 2003
66. G. Todorova. *Method for Condensation of the Macroscopic Transport Cross-Sections for Few-Group Criticality Analyses of FBR MONJU by the code NSHEX*. Japan, JNC TM , CD-04-00, 2004
67. G. Todorova. *Sn Order Effect of the Sodium Reactivity Worth in FBR MONJU by the 3D Transport Analysis*. Japan, JNC TM , CD-04-00, 2004
68. T. Apostolov, G. Alekova. *Core Design Parameters for VVER-1000 at the Kozloduy NPP, Unit 5, Cycle 1*. IAEA 622-I3-TC-676.5/5.1, Technical Committee Meeting on LWR Core Design Parameters. Rez, October 7-11 1991.
69. T. Apostolov, G. Alekova. *Benchmark Calculations for VVER-1000 at the Kalinin NPP, Cycles 1 to 3*. IAEA 622-I3-TC-676.5/5.1, Technical Committee Meeting on LWR Core Design Parameters. Rez, October 7-11 1991.

Conference presentations

70. G.Todorova, N. Kolev, N.Petrov, N.Zheleva, MOC Based Calculation Schemes in APOLLO2 for Generation of Cross-Section Libraries for VVER, BgNS International Conference “Nuclear Power for the People”, 8 –11 Nov. 2011, Bansko, Bulgaria, BgNS archive
71. N.P.Kolev, GalinaTodorova, INRNE participation in the core-physics and multi-physics subprojects of the NURISP European project, BgNS International Conference “Nuclear

Power for the People”, 8 –11 Nov. 2011, Bansko, Bulgaria, BgNS archive

72. Т. Иванов, Г. Алекова, А. Балкански. *Статистически еталонни характеристики на вибросигнали с двукомпонентни реализации, състоящи се от линейна и осцилираща съставка*. Доклад на научна конференция на ТУ-Габрово, 1989, Габрово, България
73. А. Мирчев, П. Дочева, Г. Алекова, *Прозрачни селективни покрития и черни покрития за абсорбери, повишаващи ефективността на слънчевите колектори*. Доклад на научно-практическа конференция “Ефективност на научното обслужване на промишлеността”, 29-30.09. 1985, Варна

Patents/ Inventions/PhD Thesis

74. Никола И. Алеков, Георги Ст. Дичев, Рангел П. Симов, Галина Д. Алекова. Авторско свидетелство N 38905 МПК G 21 C 7/00 за изобретението “Ядрено енергийно ядро”, рег. N 67780/1987 год. ИИР. София
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