

Journal Publication List

1. Tom Burr and Avigdor Gavron, Pass/fail Criterion for a Simple Radiation Portal Monitor Test, *Modern Instrumentation*, 1, 27-33 (2012)
2. A. Gavron, L. Eric Smith, and Jennifer J. Ressler, Analysis of spent fuel assemblies using a lead slowing down spectrometer, *Nucl. Instr. And Meth.* 602, 581 (2009)
3. RD-10 Collaboration at BNL, Calorimeter absorber optimization for a RHIC dimuon experiment, *Nucl. Instr. And Meth.* 350, 150 (1994)
4. J. P. Lestone and A. Gavron, Determination of the Cross-Section of ^{237}U Neutron Induced Fission., *Nucl. Sci. and Eng.* 116, 213 (1994)
5. J. P. Lestone and A. Gavron, Statistical Model Analysis of Fast Neutron Induced Fission of U Isotopes, *Phys. Rev.* C49, 372 (1994)
6. A. Gavron, Statistical Model Calculations with Angular Momentum Coupling, Invited review article in *Computational Nuclear Physics 2*, K. Langanke, J. A. Maruhn and S. E. Koonin, Editors, Springer-Verlag, NY (1993), pp 108-114.
7. A. Gavron, Multiple Scattering Calculations in Particle Transport Code Using Truncated Rutherford Scattering. *Nucl. Instr. and Meth.* A336, 269 (1993)
8. Texas A&M - LANL collaboration Response of a sampling calorimeter to low energy pions, muons and positrons. *Nucl. Instr. and Meth.* A324, 441 (1993)
9. W. E. Parker and A. Gavron, Examination of Potential Improvements to High Energy Transport Codes. *Nucl. Instr. and Meth.* A321, 376 (1992)
10. Texas A&M and LANL collaboration, Response of the Participant Calorimeter to 1.5 - 6.8 GeV/c Electrons and Hadrons. *Nucl. Instr and Meth.* A317,474 (1992)
11. A. Gavron, Scintillator Efficiency Calculation in a High-Energy Transport Code, *Nucl. Instr. and Meth.* A313, 161 (1992)
12. RC. Byrd, W. C. Sailor, Y. Yariv, T. A. Carey and A. Gavron, Measurement and Calculations of the Gamma Response of Neutron Scintillators, *Nucl. Instr. and Meth.* A313, 457 (1992)
13. W. C. Sailor, R. C. Byrd, A. Gavron and R. Hammock, A Neutron Source Imaging Detector for Nuclear Arms Treaty Verification, *Nucl. Sci. and Eng.* 109, 267 (1991)
14. Texas A&M and LANL collaboration, The Design and Construction of a Pb/Scintillator Sampling Calorimeter with Wavelength Shifter Fiber-Optic Readout, *Nucl. Instr. and Meth.* A309, 427 (1991)
15. Texas A&M and LANL collaboration, Response of a Sampling Calorimeter to Low-Energy Particles, *Nucl. Phys.* A525, 677 (1991)
16. A. Gavron, R.C. Byrd, W.C. Sailor and Y. Yariv, A Neutron Detector for use in Strong Gamma Background, *Nucl. Instr. & Meth.* A290, 139 (1990)
17. A. Gavron and Y. Yariv, Cascade Calculation of Subthreshold π^0 Emission, *Phys. Rev.* C41, 2442 (1990)
18. The E814 Collaboration, Energy Flow and Stopping in Relativistic Heavy-Ion Collisions at $\text{Elab}/A = 14.6\text{GeV}$, *Phys. Rev. Lett.* 64, 1219 (1990)
19. A. Gavron, Heavy-Ion Fission - An Inherently Non-Equilibrium Process? *Nucl. Phys.* A502, 515 (1989)
20. J. B. Wilhelmy et al, Fission in Intermediate Energy Heavy Ion Reactions, *Nucl. Phys.* A502, 601 (1989)
21. M.M. Fowler, T.C. Sangster, M.L. Begemann-Blaich, T. Blaich, J. Boissevain, H.C. Britt, Y. Chan, A. Dacal, D.J. Fields, Z. Fraenkel, A. Gavron, A. Harmon, B.V. Jacak, R.G. Lanier, P.S. Lysaght, G. Mamane, D.J. Massoletti, M.N. Namboodiri, J. Pouliot, R.G. Stockstad, M.L. Webb, J.B. Wilhelmy, Composite Charged Particle Detectors with Logarithmic Energy Response for Large Dynamic Range Energy Measurements, *Nucl. Instr. and Meth.* A281, 517 (1989)
22. A. Gavron, Flow analysis using calorimeters, *Nucl. Instr. and Meth.* A273, 371 (1988)
23. The E814 collaboration, Transverse energy distributions in Si-nucleus collisions at 10 GeV/Nucleon, *Z. Phys.* C 38, 45 (1988)

24. J. W. Harris, B. V. Jacak, K-H Kampert, G. Claesson, K.G.R. Doss, R.L. Ferguson, A. Gavron, H.-A Gustafsson, H.H. Gutbrod, B. Kolb, Multifragmentation and flow in central collisions of Heavy Ion systems, Nucl. Phys. A471, 241 (1987)
25. R. Bock, G. Claesson, K.G.R. Doss, R.L. Ferguson, A. Gavron, H.-A Gustafsson, H.H. Gutbrod, J. W. Harris, B.V. Jacak, K.H. Kampert, B. Kolb, P. Kristiansson, F. Lefebvres, A.M. Poskanzer, H. G. Ritter, H.R. Schmidt, T. Siemiarczuk, L. Teitelbaum, M. Tinknell, S. Weiss, H. Weiman and J. Wilhelmy, Collectivity in composite fragment emission from relativistic Heavy-Ion collisions, Mod. Phys. Lett. A10,721(1987)
26. A. Gavron, A. Gayer, J. Boissevain, H.C. Britt, T.C. Awes, J.R. Beene, B. Cheynis, D. Drain, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt and C. Butler, Neutron Emission in the Fissioning ^{158}Er Composite System, Phys. Rev. C35, 579 (1987)
27. P. Grange, S. Hassani, H.A. Weidenmuller, A. Gavron, J.R. Nix and A.J. Sierk, Effects of Nuclear Dissipation on Neutron Emission Prior to Fission, Phys. Rev. C34, 209, (1986)
28. A. Gavron, A. Gayer, J. Boissevain, H.C. Britt, J.R. Nix, A.J. Sierk, P. Grange, S. Hassani, H.A. Weidenmuller, J.R. Beene, B. Cheynis, D. Drain, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt and C. Butler, Neutron Emission Prior to Fission, Phys. Lett. B176, 312 (1986)
29. G.A. Petitt, A. Gavron, J.R. Beene, B. Cheynis, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, M. Jaaskelainen, D.G. Sarantites and C.F. Maguire, Neutron emission in inelastic reactions of $^{12}\text{C}+^{158}\text{Gd}$ and $^{20}\text{Ne}+^{150}\text{Nd}$, Phys. Rev. C32, 1572 (1985)
30. A. Gavron, J. Boissevain, H.C. Britt, K. Eskola, P. Eskola, M.M. Fowler, H. Ohm, J.B. Wilhelmy, T.C. Awes, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young and S.Wald, Fission cross sections up to 20 MeV/nucleon, Phys. Rev. C30, 1550 (1984)
31. A. Gavron, P. Eskola, A.J. Sierk, J. Boissevain, H.C. Britt, K. Eskola, M.M. Fowler, H. Ohm J.B. Wilhelmy, S. Wald and R.L. Ferguson, New evaluation of fission fragment angular distributions in Heavy Ion reactions, Phys. Rev. Lett. 52, 589 (1984)
32. J. van der Plicht and A. Gavron, A two dimensional position-sensitive M.W.P.C. for fission fragments, Nucl. Instr. and Meth. 211, 403 (1983)
33. J. van der Plicht, H.C. Britt, M.M. Fowler, Z. Fraenkel, A. Gavron, J.B. Wilhelmy, F. Plasil, T.C. Awes and G.R. Young, Fission of polonium, osmium and erbium composite systems, Phys. Rev. C28, 2022 (1983)
34. A. Gavron, J.R. Beene, B. Cheynis, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt, C.F. Maguire, D.G. Sarantites, M. Jaaskelainen and K. Geoffroy-Young, Systematics of nonequilibrium neutron emission, Phys. Rev. C27, 450 (1983) (Rapid Communications)
35. H.C. Britt, B.H. Erkkila, A. Gavron, Y. Patin, R.H. Stokes, M.P. Webb, P.R. Christensen, Ole Hansen, S. Pontoppidan, F. Videbaek, R.L. Ferguson, F. Plasil, G.R. Young, M. Blann, and J. Randrup Correlated Charge and Mass Distributions from Reactions of ^{56}Fe with ^{58}Ni , ^{64}Ni and ^{122}Sn , Phys. Rev. C26, 1999 (1982).
36. A. Gavron, J.R. Beene, B. Cheynis, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt, M. Jaaskelainen, D.G. Sarantites and C.F. Maguire, Time Scale of Fission at High Angular Momentum, Phys. Rev. Lett. 47,1255 (1981)
37. A. Gavron, J.R. Beene, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt, K.A. Geoffroy-Young, M. Jaaskelainen, D.G. Sarantites and C.F. Maguire, Neutron Emission in $^{12}\text{C} + ^{158}\text{Gd}$ and $^{13}\text{C} + ^{157}\text{Gd}$ reaction between 8 and 12 MeV/Nucleon, Phys. Rev. C24, 2048 (1981)
38. Y. Eisen, Z. Karpinowitz, A. Gavron, A. Tal, Y. Itzkin and T. Schlesinger, Development of polycarbonate fast neutron dosimeter and comparison, Health Phys. 38, 497 (1980)
39. A. Gavron, R.L. Ferguson, F.E. Obenshain, F. Plasil, G.R. Young, G.A. Petitt, K. Geoffroy-Young, D.G. Sarantites and C.F. Maguire, Neutron Emission in Deep Inelastic Collisions of $^{16}\text{O} + ^{93}\text{Nb}$ at 204 MeV, Phys. Rev. Lett. 46, 8 (1981).
40. G.R. Young, R.L. Ferguson, A. Gavron, D.C. Hensley, F.E. Obenshain, F. Plasil, A.H. Snell, M.P. Webb, C.F. Maguire and G.A. Petitt, Alpha-Particle Emission in Deeply Inelastic Reaction of 204 MeV $^{16}\text{O} + ^{93}\text{Nb}$, Phys. Rev. Lett. 45,1389 (1980).
41. Y. Eyal, A. Gavron, I. Tserruya, Z. Fraenkel, Y. Eisen, S. Wald, R. Bass, C.R. Gould, G. Kreyling, R. Renfordt, K. Stelzer, R. Zitzmann, A. Gobbi, U. Lynen, H. Stelzer, I. Rode and R. Bock, Neutron emission in

- deep inelastic collisions induced by ^{86}Kr on ^{166}Er at 5.7, 7.0 and 7.9 MeV/nucleon, Phys. Rev. C21, 1377 (1980)
42. A. Gavron, Statistical model calculations in heavy ion reactions, Phys. Rev. C21, 230 (1980)
 43. A. Gavron, S. Wald and U. Lynen, Dead time correction of measurements using scaledown units, Nucl. Instr. and Meth. 165, 133 (1979).
 44. J.B. Wilhelmy, H.C. Britt, D.C. Hoffman, W.R. Daniels, E. Cheifetz, A. Gavron, J. Weber, E.K. Hulet, J.H. Landrum, R.W. Loughheed and J.F. Wild, Fission Properties of Heavy Actinides, S. Afr. J. Phys. 1, No. 3/4, 117 (1978)
 45. Eyal, A. Gavron, I. Tserruya, Z. Fraenkel, Y. Eisen, S. Wald, R. Bass, C.R. Gould, G. Kreyling, R. Renfordt, K. Stelzer, R. Zitzmann, A. Gobbi, U. Lynen, H. Stelzer, I. Rode and R. Bock, Neutron emission in strongly damped collisions of ^{86}Kr on ^{166}E at 602 MeV, Phys. Rev. Lett. 41, 625 (1978).
 46. H.C. Britt, A. Gavron, P.D. Goldstone, R. Schoenmackers, J. Weber and J.B. Wilhelmy, Yet more complexity in fission : Barriers for nuclei with $N=150-154$, Phys. Rev. Lett. 40, 1010 (1978)
 47. Tserruya, Y. Eisen, D. Pelte, A. Gavron, H. Oeschler, D. Berndt and H. L. Harney, Total fusion cross section for the $^{16}\text{O} + ^{16}\text{O}$ system, Phys. Rev. C18, 1688 (1978).
 48. A. Gavron, H.C. Britt, P.D. Goldstone, J.B. Wilhelmy and S.E. Larsson, Complexity of the potential energy surface for fission of ^{238}U , Phys. Rev. Lett. 38, 1457 (1977).
 49. A. Gavron, H.C. Britt, P.D. Goldstone, R. Schoenmackers, J. Weber and J.B. Wilhelmy, Γ_n/Γ_f in heavy Actinides, Phys. Rev. C15, 2238 (1977)
 50. A. Gavron, Angular distribution of neutrons from fission fragments, Phys. Rev. C13, 2562 (1976)
 51. A. Gavron, H.C. Britt, E. Konecny, J. Weber and J.B. Wilhelmy, Γ_n/Γ_f in Actinide nuclei. Phys. Rev. C13, 2374 (1976)
 52. J. Weber, H.C. Britt, A. Gavron, E. Konecny and J.B. Wilhelmy, Fission of ^{228}Ra , Phys. Rev. C13, 2413 (1976)
 53. A. Gavron, H.C. Britt and J.B. Wilhelmy, Evidence for a triple humped barrier in light actinides, Phys. Rev. C13, 2577 (1976)
 54. A. Gavron, The ($^3\text{He}, 2p$) reaction on ^{208}Pb , Phys. Rev. C13, 98 (1976)
 55. J. Weber, B. R. Erdal, A. Gavron and J. B. Wilhelmy, Mass and kinetic energy measurements of fragments from the isomeric and excited state fission of ^{242}Am , Phys. Rev. C13, 189 (1976)
 56. A. Gavron, H. C. Britt, E. Konecny, J. Weber and J. B. Wilhelmy, Measurement and interpretation of Γ_n/Γ_f for actinide nuclei, Phys. Rev. Lett. 34, 827 (1975)
 57. A. Gavron, Scission point parameters determined by light particle emission in fission of ^{252}Cf , Phys. Rev. C11, 580 (1975)
 58. Y. Feige and A. Gavron, Microdosimetry of Auger electrons, Radiation Research, Biomedical, Chemical and Physical perspectives (O. F. Nygaard, H. I. Adler and W. K. Sinclair, eds.) pp. 557-569, Academic Press, N.Y. 1975
 59. A. Gavron and Y. Gazit, Spectrum of protons in fission of ^{252}Cf , Phys. Rev. C10, 388 (1974)
 60. A. Gavron and Z. Fraenkel, Neutron correlations in spontaneous fission of ^{252}Cf , Phys. Rev. C9, 632 (1974)
 61. A. Gavron, Correction of experimental results in fission experiments- Neutron yield corrections, Nucl. Instr. and Meth. 115, 99 (1974)
 62. A. Gavron, Correction of experimental results in fission experiments- Dispersion corrections, Nucl. Instr. and Meth. 115, 93 (1974)
 63. E. Nardi, A. Gavron and Z. Fraenkel, Total energy associated with prompt gamma ray emission in spontaneous fission of ^{252}Cf , Phys. Rev. C8, 2293 (1973)
 64. Cheifetz, B. Eylon, Z. Fraenkel and A. Gavron, The emission of ^5He in spontaneous fission of ^{252}Cf , Phys. Rev. Lett. 29, 805 (1972)
 65. A. Gavron and Y. Feige, Dose distribution and maximum permissible burden of ^{125}I in the thyroid gland, Health Physics 23, 461 (1972)

66. A. Gavron and Z. Fraenkel, Measurement of the variance of the number of neutrons emitted in fission of ^{252}Cf as function of the fragment mass and total kinetic energy, Phys. Rev. Lett. 27, 1148 (1971)
67. A. Gavron, Automation of the analysis of gamma ray spectra of radionuclide mixtures with special reference to computer spectrum shifting and dead time correction, Nucl. Instr. and Meth. 67, 245 (1969)
68. Gavron, D. Kedem and T. Rothem, A computer program for evaluation of complex spectra, Nucl. Instr. and Meth. 61, 213 (1968)
69. Y. Margoninski and A. Gavron, The influence of copper ions on fast surface states of Germanium, Surface Science 5, 387 (1966)

LA-UR Reports (Los Alamos Internal Reports, available for general public distribution)

1. R. C. Byrd et al., An Imaging detector for neutron or gamma sources, LA-11612-MS (1989)
2. J. M. Balderas et al., Final report to the Defense Nuclear Agency. Accelerator driven assembly. LA-UR-94-3305 (1994)
3. M. Blann et al., Basic physics with spallation-neutron sources, LA-UR-94-1320 (1994)
4. J. L. Ullmann et al., APT radionuclide production experiment technical report, LA-UR-95-3327 (1995)
5. A. Gavron, Expected precision for neutron multiplicity assay using higher order moments, LA-UR-97-2716 (1997)
6. M. Pickrell et al., Extensions of neutron multiplicity counting to waste and low-level assay, LA-UR-97-3532 (1997)
7. C. L. Morris et al., Neutron Radiography for Science Based Stockpile Stewardship, LA-UR-97-11 (1997)
8. A. Gavron, Nondestructive assay techniques applied to nuclear materials, LA-UR-00-5542 (2000)
9. A. Gavron, The role of science in treaty verification, LA-UR-04-6091 (2004)

LA-CP reports (Los Alamos Internal Reports, not available for public distribution).

1. A. Gavron, M. E. Abhold, C. M. Lovejoy, Optimization of the Use of ^3He in Proportional Counters for Second Line of Defense Applications, LA-CP-10-0120 (2010)
2. A. Gavron, M. E. Abhold, C. M. Lovejoy, Neutron Source Analysis for Second Line of Defense Application, LA-CP-10-0546 (2010)
3. A. Gavron, M. E. Abhold, C. Lovejoy, Analysis of the Performance of a Modified ^3He Moderator Assembly, LA-CP-10-0690 (2010)
4. A. Gavron, M. E. Abhold, C. M. Lovejoy, Neutron Source Analysis for Second Line of Defense Application, LA-CP-10-01787 (2010)
5. A. Gavron, J. Rennie, Analysis of Portal Monitor Shielding by a Truck, LA-CP-12-00143 (2012)

Talks and Conference Presentations, and Publications in Proceedings

1. Tom Burr and Avigdor Gavron, "Pass/fail Criterion for a Simple Radiation Portal Monitor Test", INMM Annual Meeting, Orlando, FL, 2012 (LA-UR-12-00369)
2. L. Eric Smith et al., "Recent Progress in the Development of Lead Slowing-Down Spectroscopy for Direct Measurement of Pu in Spent Fuel", Pacific Northwest International Conference on Global Nuclear Security, Portland, Oregon (USA), April 13, 2010
3. A. Gavron, L. Eric Smith and Jennifer J. Ressler, "Analysis of Spent Fuel Assay With a Lead Slowing Down Spectrometer", Proceedings of Global 2009, Paris, France, September 6-11, 2009
4. A. Gavron, L. Eric Smith and Jennifer J. Ressler, "Analysis of Spent Fuel Assay With a Lead Slowing Down Spectrometer", Proceedings of ICAPP 2009, Tokyo, Japan, May 11-15, 2009
5. A. Gavron, T. Hill, E. Pitcher, and F. Tovesson, "Los Alamos Neutron Science Center Contributions to the Development of Future Nuclear Power Reactors", Proceedings of ICAPP 2007, Nice, France, May 13-18, 2007
6. A. Gavron, "The Role of Science in Treaty Verification", 8th International Conference on Applications of Nuclear Techniques, Crete, Greece, September 12-18, 2004, LA-UR-04-2738
7. A. Gavron, "Non-destructive assay techniques applied to nuclear materials", 7th International Conference on Applications of Nuclear Techniques, June 17-23, 2001, Crete, Greece, LA-UR-00-5542.
8. A. Gavron, "Utilization of Baeten's Dead-Time Correction Formalism for Multiplicity Counting," presented at the 40th Annual INMM Meeting, Phoenix, Arizona, July 25-29, 1998, Los Alamos National Laboratory document LA-UR-99-3038.
9. A. Gavron, "Safeguards Technology Developments at Los Alamos Serving Safety and Security, Safeguards Technology Developments at Los Alamos Serving Safety and Security," submitted to the 6th International Conference on Applications of Nuclear Techniques-"Nuclear Technology for Safety, Security, and Industrial Development," June 20-26, 1999, Crete, Greece, Los Alamos National Laboratory document LA-UR-98-5171. (Abstract)
10. A. Gavron, N. Ensslin, W. H. Geist, D. R. Mayo, M. M. Pickrell, T. H. Prettyman, C. R. Rudy, P. A. Russo, M. K. Smith, and J. E. Stewart, "Development of Safeguards Detector Technology at Los Alamos," presented at the ESARDA 21st Symposium on Safeguards and Nuclear Material Management, Sevilla, Spain, May 4-6, 1999, Los Alamos National Laboratory document LA-UR-99-1762.
11. A. Gavron, "Assay of Special Nuclear Material for Safeguards Applications," 12th International Conference on Radionuclide Metrology and its Application ICRM '99, June 7-11, 1999, Prague, Czech Republic, Los Alamos National Laboratory document LA-UR-98-3531 (Abstract).
12. A. Gavron, "Non-Destructive Measurement Technologies for Nuclear Safeguards," to be presented at the ICENES '98 Ninth International Conference on Emerging Nuclear Energy Systems, June 28-July 2, 1998, Tel Aviv, Israel, Los Alamos National Laboratory document LA-UR-98-19.
13. A. Gavron, "Nondestructive Assay Techniques Applied to Nuclear Materials," submitted to the Ninth International Conference on Emerging Nuclear Energy Systems, June 28-July 2, 1998, Tel Aviv, Israel, Los Alamos National Laboratory report LA-UR-97-3745 (Abstract).
14. M. M. Pickrell, N. Ensslin, A. Gavron, and H. O. Menlove, "Extensions of Neutron Multiplicity Counting to Waste and Low Level Assay," presented at the International Atomic Energy Agency Symposium on International Safeguards, October 13-17, 1997, Vienna, Austria, Los Alamos National Laboratory report LA-UR-97-3532.
15. T. H. Prettyman, P. A. Russo, C. C. Cheung, A. D. Christianson, W. C. Feldman, and A. Gavron, "Radiation Imaging Technology for Nuclear Materials Safeguards, Nucl. Mater. Manage. XXVI-CD-ROM (1997) Los Alamos National Laboratory document LA-UR-97-3130.
16. N. Ensslin, A. Gavron, W. C. Harker, M. S. Krick, D. G. Langner, M. C. Miller, and M. M. Pickrell, "Expected Precision for Neutron Multiplicity Assay Using Higher Order Moments, Nucl. Mater. Manage. XXVI-CD-ROM (1997) (Los Alamos National Laboratory document LA-UR-97-2716).
17. A. Gavron, K. B. Morley, C. Morris, S. J. Seestrom, J. L. Ullmann, G. J. Yates, and J. D. Zumbro, "High Energy Neutron Radiography," Proceedings of the International Conference on Neutrons in Research and Industry, June 9-15, 1996, Heraklion, Crete, Greece, George Vourvopoulos, Editor, p326-331.

18. A. Gavron, Basic and Applied Research at WNR ,IAEA conference on "Neutrons and their Applications", Heraklion, Crete, June 12-18, 1994.
19. A. Gavron and J. P. Lestone, Statistical Model of Actinide Fission - Calculating the ^{237}U Fission Cross-Section, proceedings of the International Conference on Nuclear Data for Science and Technology, Gatlinburg, TN, May 9-13, 1994, Published By the American Nuclear Society, p 649.
20. E. Normand, D. L. Oberg, J. L. Wert, J. D. Ness, P. P. Majewski, S. Wender and A. Gavron, Single Event Upset and Charge Collection Measurements Using High Energy Protons and Neutrons, IEEE Trans. Nuc. Sci. 41, 2203 (1994)
21. A. Gavron and J. P. Lestone, Determination of the Fission Cross Section of ^{237}U , Nuclear Explosives Physics design Conference (NEDPC), Livermore, CA, November 8-12, 1993.
22. J. P. Lestone and A. Gavron, Neutron Induced Fission of U Isotopes up to 100 MeV, XII meeting of Physics of Nuclear Fission, Institute of Physics and Power Engineering, Obninsk, Kaluga Region, Russia, Sep 27-30, 1992.
23. L. Waters, A. Gavron and R. E. Prael, Applications of the Los Alamos High Energy Transport Code, Am. Nucl. Soc. topical meeting on "Nuclear Technologies for Space Exploration", Jackson Hole, Wyoming, August 16-19, 1992
24. P. W. Lisowski, A. Gavron, W. E. Parker, S. J. Balestrini, A. D. Carlson, O. A. Wasson and N. W. Hill, Fission Cross Sections ratios for $^{233,234,236}\text{U}$ relative to ^{235}U from 0.5 to 400 MeV, Proc. Nuclear Data for Science and Technology, Jülich, Fed. Rep. Germany, May 13-17, 1991. Springer-Verlag, Berlin.
25. L. Waters and A. Gavron, Applications of LAHET Simulation Code to Relativistic Heavy Ion Detectors, Proc. Symp. on RHIC Detector R&D, Brookhaven National Laboratory, October 10-11, 1991.
26. A. Gavron, C. Zoeller, J. P. Lestone and W. E. Parker, Fission Physics at WNR, Eighth Biennial Nuclear Explosives Design Physics Conference (NEDPC), Los Alamos, NM, Nov. 18-22, 1991
27. B.V. Jacak, H.C. Britt, A. Gavron, J. Wilhelmy, K.G.R. Dos, G. Claesson, H.A. Gustafsson, J.W. Harris, A.M. Poskanzer, H.G. Ritter, L. Teitelbaum, M. Tincknell, S. Weiss, H. Weiman, H.H. Gutbrod, K.H. Kampert, B. Kolb, H.R. Schmidt and R. Ferguson, Multifragmentation in Intermediate Energy Heavy Ion Collisions, National Meeting of the American Chemical Society, New York, N.Y., Apr. 14-18, 1986
28. B.V. Jacak, H.C. Britt, A. Gavron, J. Wilhelmy, K.G.R. Dos, G. Claesson, H.A. Gustafsson, J.W. Harris, A.M. Poskanzer, H.G. Ritter, L. Teitelbaum, M. Tincknell, S. Weiss, H. Weiman, H.H. Gutbrod, K.H. Kampert, B. Kolb, H.R. Schmidt and R. Ferguson, Multifragmentation in Intermediate Energy Heavy Ion Collisions, Second International Workshop on Local Equilibrium in Strong Interaction Physics, Santa Fe, New Mexico, Apr. 9-12, 1986,
29. A. Gavron, Dynamics in Heavy Ion Fission - An experimentalists view, Invited paper presented at The Many Facets of Heavy Ion Fusion Reactions symposium, Argonne National Laboratory, Mar 24-26 1986.
30. A. Gavron, Neutron Emission Prior to Fission, Invited paper presented at Winter Workshop on Nuclear Dynamics IV Copper Mountain, Colorado, Feb 24-28 (1986)
31. A. Gavron, Neutron Emission Preceding Fission Invited paper presented at the XII'th European conference on Physics and Chemistry of Complex Nuclear Reactions, Neve Ilan, Israel, October 13-17, 1985
32. F. Plasil, T.C. Awes, B. Cheynis, D. Drain, R.L. Ferguson, F.E. Obenshain, A.J. Sierk, S.G. Steadman, G.R. Young, A. Gavron, J. Boissevain, H.C. Britt, K. Eskola, P. Eskola, M.M. Fowler, Z. Fraenkel, H. Ohm, J. vanderPlicht and S. Wald, Recent results in heavy ion induced fission, Invited paper at Winter Workshop on Nuclear Dynamics, Copper Mountain, Colorado, Mar 4-9, 1984.
33. A. Gavron, Heavy Ion induced fission, Invited paper presented at XI'th European conference on Physics and Chemistry of Complex Nuclear Reactions, Autrans, France, Sept 5-9, 1983
34. A. Gavron, Heavy-Ion induced fission, Invited paper presented at the symposium on current trends in Heavy-Ion physics, American Chemical Society Meeting, Washington, D.C., Aug. 30 - Sep. 2, 1983
35. H.C. Britt, M.W. Fowler, A. Gavron, J.B. Wilhelmy, Z. Fraenkel, J. vanderPlicht, F. Plasil, T. Awes and G.R. Young, Heavy Ion Induced Fission Reactions, International School on Heavy-Ion Physics, Alushta, Crimea, U.S.S.R., April 14-21, 1983.
36. A. Gavron, Muon Induced Fission, Proceedings of the workshop on muon science and facilities at Los Alamos, Los Alamos, N.M., March 15-18, 1982. LA-9582-C

37. F. Plasil, J.R. Beene, B. Cheynis, R.L. Ferguson, F.E. Obenshain, A.J. Sierk, G.R. Young, A. Gavron and G.A. Petitt, Heavy Ion Induced Fission in the rare earth region and the statistical model, Workshop on Nuclear Dynamics, Granlibakken, California, Feb. 22-26, 1982.
38. H. C. Britt and A. Gavron, Fast and slow fission, Invited talk at the international symposium on nuclear fission and related collective phenomena, Bad Honnef, W. Germany, Oct 26 - 29, 1981, Published in Dynamics of Nuclear Fission and Related Collective Phenomena, P. David, T. Mayer-Kuckuk and A. van der Woude Eds., Springer - Verlag, Berlin 1982.
39. A. Gavron, Time scale of fission at high angular momentum, Invited talk at 1981 fall meeting of the division of nuclear physics of the American Physical Society, Pacific Grove, California, 28 - 30 October, 1981, Bull. Am. Phys. Soc. 26, 1150 (1981)
40. F. Plasil, J.R. Beene, R.L. Ferguson, A. Gavron, F.E. Obenshain, G.R. Young, G.A. Petitt, K. Geoffroy-Young, M. Jaaskelainen, D.G. Sarantites and C.F. Maguire, Non equilibrium emission from $^{12}\text{C} + ^{158}\text{Gd}$ and $^{13}\text{C} + ^{157}\text{Gd}$ reactions, 19th International winter meeting on Nuclear Physics, Bormio, Italy, 26 - 31 Jan. ,1981
41. Y. Boneh and A. Gavron, Calculation of Preequilibrium Neutron Emission Employing an Accelerated Potential Well Model, Proc. Int. Symp. on Continuum Spectra of Heavy Ion Reactions, San Antonio, Texas, Dec. 3-5, 1979,
42. G. A. Petit, R. L. Ferguson, A. Gavron, D. C. Hensley, F. E. Obenshain, F. Plasil, A. H. Snell, G. R. Young, K. A. Geoffroy, D. G. Sarantites and C. F. Maguire, Neutron emission in deeply inelastic and fusion - evaporation reactions of 208 MeV ^{16}O with ^{93}Nb , Proc. Int. Symp. on Continuum Spectra of Heavy Ion Reactions, San Antonio, Texas, Dec. 3-5, 1979. Edited by T. Tamura, J.B. Natowitz and D.H. Youngblood, Harwood Academic Publishers
43. Y. Boneh, A. Gavron and S. Wald, The Possibility of Forward Emission of Light Particles in Heavy Ion Reactions Due to Single Particle Effects, Proc. VII international workshop on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, January 15 - 27, 1979.
44. Y. Eyal, A. Gavron, I. Tserruya, Z. Fraenkel, Y. Eisen, S. Wald, R. Bass, C.R. Gould, G. Kreyling, R. Renfordt, K. Stelzer, R. Zitzmann, A. Gobbi, U. Lynen, H. Stelzer, I. Rode and R. Bock, Neutron emission in deep inelastic reactions induced by ^{86}Kr on ^{166}Er at 5.7, 7.0 and 7.9 MeV/nucleon, Proc. VII international workshop on Gross Properties of Nuclei and Nuclear Excitations, Hirschegg, Austria, January 15 - 27, 1979.
45. J. B. Wilhelmy, H.C. Britt, A. Gavron, E. Konecny and J. Weber, (n,f) cross sections for exotic Actinides, Proc. Conf. Nuclear cross-sections and technology, Washington, D.C., March 3 - 7, 1975. (National Bureau of Standards special publication No. 425, Vol. I, p. 218)
46. Y. Feige and A. Gavron, On the biological effectiveness of ^{125}I in DNA relative to ^3H and ^{32}P , Proc. 3rd. IAEA Symp. Microdosimetry, Stresa, Italy, October 18 - 22, 1971,
47. Y. Feige, A. Gavron, E. Lubin, Z. Lewitus, M. Ben-Porath, J. Gross and E. Loewinger, Local energy deposition in thyroid cells due to the incorporation of ^{125}I . Proc. I.A.E.A. symp. Biological aspects of radiation quality, Lucas Heights, N.S.W. Australia, 8 - 12 March 1971.
48. Y. Feige, A. Gavron and J. Gross, Quality, distribution and other relevant factors in setting maximum permissible doses for ^{125}I , Proc. European Congress on Radiation Protection, Menton, France, 9 - 11 October 1968.