

Name H. Marshall Blann

Address. [REDACTED] MH

Date of Birth [REDACTED]

Professional Assignments:

1996-present, Consultant Los Alamos National Laboratory
1997-2000, Consultant Lawrence Livermore National Laboratory

1996, retired, Physics Directorate, Lawrence Livermore National Laboratory

1978-1996 Physicist, Lawrence Livermore National Laboratory

1970-73 - Professor, University of Rochester
1965-70 - Associate Professor, University of Rochester
1963-65 Assistant Professor, University of Rochester
1960-63 - Instructor, University of Rochester

Education:

D. Nat. Ph., h.c. 1996, Univ. Frankfurt, Frankfurt, Germany
Ph.D., University of California, Berkeley (1960); Research Director, G. T. Seaborg
B.S. in Chemistry UCLA, 1957 with honors, (Phi Eta Sigma, Phi Lambda Upsilon, Phi
Beta Kappa)

Activities:

Member and Fellow of the American Physical Society

Chairman, Symposium on Heavy Ion Reactions, American Chemical Society, Sept. (1969)

Guest Professor, Institute of Theoretical Physics, Frankfurt University (1970)

Vice Chairman, Gordon Research Conference on Nuclear Chemistry. (1971)

Chairman, Gordon Research Conference on Nuclear Chemistry (1972)

Recipient Alexander von Humboldt Fellowship for Senior American Scientists (1974,
1975, 1976), von Humboldt return fellowship (1986, 1987)

Guest Professor, Bonn University 1974, 1975

Elected member Executive Committee, Brookhaven National Lab, Nuclear Structure
Lab/outside users Group (1973); Re-elected 1976

Member Post-Accelerator Study Committee, Brookhaven National Laboratory, Nuclear
Structure Laboratory

- Member International Program Advisory Committee, International Conference on Reactions of Heavy Ions, Nashville, TN (1974)
- Elected Member/Chairman/Users Organization, Hollifield Laboratory, ORNL, (1975)
- Member International Program Advisory Committee, Symposium on "Highly Excited States in Nuclei," Julich, W. Germany (Sept. 1975)
- Member Program Committee, Hollifield Heavy Ion Lab., ORNL, (1977-1980)
- Member Superhulac Executive Committee, 1981-83
- Guest Physicist, ENEA, Bologna, Italy (1986) June.
- Member International Advisory Committee, IAEA Advisory Group Meeting Nuclear Theory for Fast Neutron Reactions, Beijing (1987).
- Guest Professor, Univ. Frankfurt, 1988.
- Member Program Advisory Committee, 88 Cyclotron 1987-90
- Visiting Fellow, Australian National University, December 1989.
- Organizer, "Theory of Medium Energy Charged Particle Reactions," Session, American Nuclear Society Convention, San Francisco, CA November 1989
- International Program Committee, First Ukrainian Summer School in Nuclear Physics (Kiev, May-June, 1990)
- Guest Professor, Univ. Frankfurt, 1990.
- Local Organizing Committee, 7th ISCGRS-art Conference, Asilomar, 1990
- International Advisory Committee, Beijing International Symposium of Fast Neutron Physics (Sept. 1991)
- Committee to Assess Future Nuclear Data Needs, Nuclear Chemistry Division LLNL, (1989).
- Member International Advisory Group on Intermediate Energy Nuclear Data, IAEA, Vienna (1990).
- Member Coordinated Research Project on Fast and Fusion Reactor Neutron Data, IAEA 1986-1990 (Vienna, Bologna).
- Member International Atomic Energy Agency Consultants Meeting on "Data Requirements for Medical Radioisotope Production," Tokyo (1987).
- Lecturer, Workshop on Computer Codes for Nuclear Reactor Physics ICIP, Trieste (1988).
- Lecturer, Workshop on Computation, and Analysis of Nuclear Data Relevant to Nuclear Energy and Safety, Trieste, (1992).
- Scientific Committee, Int. Advanced courses on Hot and Dense Nuclear Matter, Bodrum, Turkey, Sept. - Oct. 1993.
- Representative IAEA Advisory Group Meeting on Charged Particle Data, Smolenice, Slovakia, April 1994.

Member NEA/NSC Working Party on International Evaluation Cooperation Subgroup 12: Nuclear Model Validation (1994-).

Member NEA/NSC Working Party on International Evaluation Cooperation Subgroup 13: Intermediate Energy Data (1994-).

Organizer/Planner NEA/NSC International Code Comparison for Intermediate Energy Nuclear Data (1992-1994).

Organizer NEA/NSC Specialists Meeting on Intermediate Energy Code Intercomparison.

International Advisory Committee "International Symposium on Pre-equilibrium Reactions," Smolenice, Slovakia (Oct. 1995).

Appointed Consultant. IAEA meeting on selection of individual evaluations for the FENDL/A-2 activation cross section data library. St. Petersburg, 25-27 June, 1995.

Appointed Consultant. IAEA coordinated Research Project on "Activation Cross Sections for the Generation of Long Lived Radionuclides of Importance in Fusion Reactor Technology," St. Petersburg, 19-23, June 1995.

Chairman, NEA/NSC Working Group on Nuclear Data: Subgroup 12, Code Benchmarking

Member, NEA/NSC Working Group on Nuclear Data: Precompound Reaction Models.

Int'l Organizing Committee, Int'l Conference on Nuclear Data for Applied Needs, Trieste, 1997.

IAEA Coordinated Research Project on Isotopes for Medical Applications (1995-6)

Publications: Over 230 papers in Phys. Rev., Nucl. Physics, Phys. Lett. and International Conferences, Nuclear Structure and Reactions, Nuclear Modeling.

M. Blann, H. Gruppelaar, P. Nagel and J. Rodens, "International Code Comparison for Intermediate Energy Nuclear Data," NEA/NSC OECD/NEA (March 1994). Book, 206 pages, Paris.

Listing of Publications

V. E. Viola, M. Blann and T. D. Thomas, "Fission in Gold Induced with Carbon Ions, in Reactions Between Complex Nuclei," ed. by A. Zucker, F. T. Howard and E. C. Hulbert, John Wiley and Sons, Inc., N.Y. 224, (1960).

M. Blann, "Fission of Gold with 112 MeV C^{12} Ions: A Yield-Mass and Charge Distribution Study," Phys. Rev. 123, 1356 (1961).

M. Blann and G. Merkel, "Reactions Induced in Ni^{58} with 0-24 MeV Deuterons: Statistical Model Analysis," Phys. Rev. 131, 764 (1963).

M. Blann, "Statistical Analysis of Reactions Induced with 21-63 MeV Li^6 Ions on Fe^{54} : Effects of Angular Momentum and Closed Shells on Nuclear Level Densities," Phys. Rev. 133, B707 (1964).

M. Blann, F. Lanzafame and A. Piscitelli, "Reactions Induced in Fe^{54} with 21-63 MeV Li^6 Ions," Phys. Rev. 133, B700 (1964).