

## STAFF MEMBERS OF THE PHYSICS DIVISION

Listed below are the staff of the Physics Division for the year ending December 31, 2002.  
The program headings indicate only the individual's current primary activity.

### SCIENTIFIC STAFF

#### EXPERIMENTAL NUCLEAR PHYSICS STAFF

#### Regular Staff

- Irshad Ahmad, Ph.D., University of California, 1966  
 John Arrington Ph.D., California Institute of Technology, 1998  
 Birger B. Back, Ph.D., University of Copenhagen, 1974  
 Michael P. Carpenter, Ph.D., University of Tennessee, 1987  
 Yanglai Cho, Ph.D., Carnegie-Mellon University, 1966  
 \* Cary N. Davids, Ph.D., California Institute of Technology, 1967  
 Susan Fischer, Ph.D., University of Notre Dame, 1994  
 † Donald F. Geesaman, Ph.D., State University of N.Y., Stony Brook, 1976  
 Kawtar Hafidi, Ph.D., University of Paris South XI, 1999  
 ‡ Walter F. Henning, Ph.D., Technical University of Munich, 1968  
 Roy J. Holt, Ph.D., Yale University, 1972  
 § Harold E. Jackson, Jr., Ph.D., Cornell University, 1959  
 ¶ Robert V.F. Janssens, Ph.D. Univ. Catholique de Louvain, Belgium, 1978  
 Cheng-lie Jiang, Ph.D. China Institute of Atomic Energy, 1960  
 Michael P. Kelly, Ph.D., University of Washington, 1999  
 Teng Lek Khoo, Ph.D., McMaster University, 1972  
 Torben Lauritsen, Ph.D., State University of New York, 1990  
 Eliane Lessner, Ph.D., Syracuse University, 1975  
 Christopher J. Lister, Ph.D., University of Liverpool, 1977  
 Zheng-tian Lu, Ph.D., University of California, Berkeley, 1994  
 Eugene Moore, Ph.D., Florida State University, 1988  
 \*\* Jerry A. Nolen, Jr., Ph.D., Princeton University, 1965  
 Peter N. Ostroumov, Ph.D. Moscow Engineering and Physical Institute, 1982  
 Richard C. Pardo, Ph.D., University of Texas, 1976  
 David H. Potterveld, Ph.D., Caltech, 1988  
 Karl Ernst Rehm, Ph.D., Technical University, Munich, 1973  
 Paul Reimer, Ph.D. University of Illinois, 1996  
 †† Guy Savard, Ph.D., McGill University, 1988  
 †† John P. Schiffer, Ph.D., Yale University, 1954  
 Dariusz Seweryniak, Ph.D., Uppsala University, 1994  
 Kenneth W. Shepard, Ph.D., Stanford University, 1970  
 Kenneth Teh, Ph.D., Vanderbilt University, 1988  
 ‡‡ Alan H. Wuosmaa, Ph.D., University of Pennsylvania, 1989

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\* Adjunct Professor, Vanderbilt University.

† Director of the Physics Division.

‡ On leave of absence at GSI, Darmstadt.

§ Associate Director of the Physics Division.

¶ Associate Director of the Physics Division. Adjunct Professor, Michigan State University and Adjoint Professor, Vanderbilt University.

\*\* Director of the ATLAS Facility. Adjunct Professor, Michigan State University.

†† Joint appointment with the University of Chicago.

‡‡ Left the Physics Division in August 2002.

## Special Appointments

- \* R. Russell Betts, Ph.D., University of Pennsylvania, 1972
- Lowell M. Bollinger, Ph.D., Cornell University, 1951
- William J. Childs, Ph.D., University of Michigan, 1956
- Donald S. Gemmell, Ph.D., Australian National University, 1960
- F. Paul Mooring, Ph.D., University of Wisconsin, 1951
- † Michael Paul, Ph.D., Hebrew University of Jerusalem, 1973
- Gilbert J. Perlow, Ph.D., University of Chicago, 1940
- G. Roy Ringo, Ph.D., University of Chicago, 1940
- Ralph E. Segel, Ph.D., Johns Hopkins University, 1955
- George E. Thomas, B.A., Illinois Wesleyan, 1943
- § Ben Zeidman, Ph.D. Washington University, 1957

## THEORETICAL NUCLEAR PHYSICS STAFF

### Regular Staff

- Richard R. Chasman, Ph.D., University of California, 1959
- Henning Esbensen, Ph.D., University of Aarhus, 1977
- ¶ Tsung-Shung Harry Lee, Ph.D., University of Pittsburgh, 1973
- Steven C. Pieper, Ph.D., University of Illinois, 1970
- Craig D. Roberts, Ph.D., Flinders University of South Australia, 1989
- Robert B. Wiringa, Ph.D., University of Illinois, 1978

### Special Appointments

- Paul Benioff, Ph.D., University of California, 1959
- Arnold R. Bodmer, Ph.D., Manchester University, 1953
- Fritz Coester, Ph.D., University of Zurich, 1944
- Mitio Inokuti, Ph.D., University of Tokyo, 1962
- Dieter Kurath, Ph.D., University of Chicago, 1951
- Robert D. Lawson, Ph.D. Stanford University, 1953
- || Vijay Pandharipande, Ph.D., University of Bombay, 1969
- Murray Peshkin, Ph.D., Cornell University, 1951

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- \* Special Term Appointee from the University of Illinois-Chicago.
  - † Special Term Appointee from the Hebrew University of Jerusalem.
  - § Special Term Appointee. Adjunct Professor, Hampton University.
  - ¶ Adjunct Professor, University of Pittsburgh.
  - || Special Term Appointee from the University of Illinois, Urbana.

## TEMPORARY APPOINTMENTS

**Postdoctoral Appointees**

Thomas Duguet (from CEA, Saclay, France):  
Theoretical studies.  
(November 2002- )

- \* Kawtar Hafidi (from CEN, Saclay, France):  
Medium-energy physics.  
(November 1999-February 2002)

Neil J. Hammond (from University of Liverpool):  
Research at ATLAS.  
(July 2002- )

- † Andreas Heinz (from GSI, Darmstadt, Germany):  
Heavy-ion research at ATLAS.  
(February 1999-September 2002)

David Jenkins (University of York, UK):  
Heavy-ion research at ATLAS.  
(January 2000-- )

- \* Michael Kelly (from University of Washington, Seattle, WA):  
Heavy-ion research at ATLAS.  
(June 1999-February 2002)

Bogdan Mihaila (from University of New Hampshire, Durham, NH):  
Theoretical studies.  
(October 2000--December 2002)

Ian Moore (Shuster Laboratory, UK):  
Medium-energy physics.  
(November 2001-- )

Gopal Mukherjee (from University of Massachusetts, Lowell, MA):  
Heavy-ion research at ATLAS.  
(October 2001-- )

Brahim Mustapha (from University of Paris, France):  
ATLAS operations and development.  
(May 2000-- )

Elaine Schulte (from University of Illinois-Urbana):  
Medium-energy physics studies.  
(February 2002- )

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\* Joined regular staff in February 2002.

† Enrico Fermi Scholar.

Shrabani Sinha (from India Institute of Technology, Bombay):  
Research at ATLAS.  
(June 2002- )

Alexander Volya (from Michigan State University, E. Lansing, MI):  
Theoretical physics studies.  
(January 2002 - )

Nikolai Vinogradov (from Moscow Engineering Physical Institute, Russia):  
ATLAS operation and development.  
(November 2001-- )

Krishni Wijesooria (from Jefferson Laboratory, Newport News, VA):  
Medium-energy physics.  
(October 2000—December 2002)

Zhen Zhou (from University of Giessen, Germany):  
Research at ATLAS.  
(February 2002- )

### **TECHNICAL AND ENGINEERING STAFF**

(and areas of activity)

Kevin G. Bailey (B.S. University of Nebraska, 1989).  
Technical assistance, medium-energy physics.

John M. Bogaty (A.A.S. DeVry, 1961).  
Electrical systems, ATLAS operation and development.

Benny E. Clift (A.S.E.E., DeVry, 1959).  
Electrical systems, ATLAS operation and development.

\* Joseph Falout (B.S.M.E. University of Illinois, 1970).  
Experimental equipment design.

Joel Fuerst (MSME, Northwestern University, 1990).  
Cryogenic development at ATLAS.

John P. Greene (M.S. DePaul University, 1982).  
Target preparation.

\* Ray E. Harden (A.A.S. Milwaukee School of Engineering, 1957).  
ATLAS operator

\* Dale J. Henderson (B.S. Elmhurst College, 1951).  
Detector development, technical assistance, heavy-ion physics.

James M. Joswick (A.A.S. Milwaukee School of Engineering, 1964).  
ATLAS experimental equipment maintenance, technical assistance, heavy-ion physics.

Mark Kedzie  
ATLAS experimental equipment development.

\* Raymond B. Kickert  
ATLAS experimental equipment maintenance, technical assistance, heavy-ion physics.

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\* Special Term Appointee.

Anthony Levand (BSME, University of Illinois, 1986).  
Design control at ATLAS.

- \* Paul Markovich (B.S. Purdue University, 1972).  
Surface chemistry, ATLAS development and operation.

Thomas P. Mullen (B.S. Marquette University, 1966).  
Division ESH/QA engineer.

Floyd Munson, Jr. (A.A.S. DeVry, 1966, B.S. Lewis University, 1993).  
Control system for ATLAS.

Bruce G. Nardi (A.A.S. Morton Jr. College, 1967; A.A.S. DeVry, 1969).  
Electronics design and maintenance.

Tom O'Connor (M.S. DePaul University, 1995).  
Technical assistance, medium-energy physics.

Tad Pennington (M.S. University of Missouri, 1989; M.S. University of Alabama, 1998)  
Detector development, technical assistance, heavy-ion physics.

Deborah Quock (M.S. Rice University, 1985)  
Technical assistance, ATLAS control system.

Sergey Sharamentov (MS, Moscow Engineering Physical Institute, 1976).  
Electrical systems, ATLAS operation and development.

James R. Specht (A.A.S. DeVry, 1964).  
Cryogenics engineer. ATLAS development and operation.

Philip Strickhorn (B.S. DeVry, 1990).  
Electrical and technical assistance with ATLAS operations.

Richard Vondrasek (B.S. University of Chicago, 1990).  
ATLAS operator.

Philip R. Wilt (Johnstown Technical School 1973).  
Electronics design and maintenance.

Bruce J. Zabransky (M.S. University of Illinois, Chicago, 1973).  
Mechanical Engineer.

Gary P. Zinkann (B.S. DeVry, 1975).  
ATLAS operations supervisor.

### ADMINISTRATIVE STAFF

- † Allan Bernstein, M.B.A., Rosary College, 1986
- † James E. Nelson, B.A., University of Illinois, 1975
- \* Karen J. Thayer

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\* Special Term Appointee.

† Assistant Director of the Physics Division.

## VISITORS AND STUDENTS

### Long-Term Visitors (at Argonne more than 4 months)

Anatolijs Afanasjevs (from University of Notre Dame, IN):  
Theoretical physics studies.  
(July 2001—June 2002)

El Alaoui Moulay Ahmed (from Laboratory for Theoretical Physics, Morocco):  
Medium-energy physics.  
(February 2001-- )

Vladislav Asseev (from Institute for Nuclear Research of Russian Academy of Sciences, Russia)  
Accelerator development.  
(April-October 2002)

Bertram Blank (from University of Bordeaux, France):  
Research at ATLAS  
(August 2002-- )

Jason Clark (from University of Manitoba, Canada):  
Heavy-ion research at ATLAS.  
(May 1999- )

Sean Freeman (from University of Manchester, U.K.):  
Research at ATLAS.  
(October 2002-- )

Itacil Gomes (from Technology Division, Argonne National Laboratory)  
Linac development.  
(September 2000-- )

Burt Holzmann (from University of Chicago, Chicago, IL):  
Heavy-ion research at ATLAS.  
(October 2001-- )

Michael Kroupa (from Monmouth College, Monmouth, IL):  
Theoretical physics studies.  
(July 2002-- )

Walter Kutschera (from University of Vienna, Austria):  
Research at ATLAS.  
(August 2002-- )

Ioana Mihaila (from Coastal Carolina University, Conway, SC):  
Theoretical physics studies.  
(November 2001-- )

Peter Mueller (from Johannes Gutenberg University, Mainz, Germany):  
Medium-energy physics.  
(November 2001-- )

Iouri Sanjiev (from St. Petersburg Nucl. Phys. Institute, Gatchina, Leningrad, Russia):  
Medium energy studies.  
(November 2000-- )

Stefan W. Schramm (from University of Frankfurt, Germany):

Theoretical physics studies.  
(November 2001-- )

Jason Shergur (from University of Maryland, College Pk., MD):

Research at ATLAS.  
(January 2002-- )

\* David Smith (from University of Vermont, Burlington, VT):

Theoretical physics studies.  
(February 2002-- )

Jicheng Wang (from University of Manitoba, Canada):

Heavy-ion research at ATLAS.  
(January 2001-- )

Andreas Woehr (from University of Maryland, College Park, MD):

Heavy-ion research at ATLAS.  
(January 2001-- )

### Short-Term Visitors (at ANL for less than 4 months at a time)

\* Nour-eddi Berrah (from Western Michigan University, Kalamazoo, MI):

Atomic physics research.  
(October 1991-- )

Chantal Boudreau (from McGill University, Montreal, Quebec):

Heavy-ion research at ATLAS.  
(May 2000—April 2001; September 2001—March 2002)

Thomas Dombek (from University of Chicago, Chicago, IL):

Heavy-ion research.  
(January 2000-- )

\* Christopher Fasano (from Monmouth College, Monmouth, IL):

Theoretical studies.  
(February 1999-- )

† Susan Fischer (from DePaul University, Chicago, IL):

Heavy-ion research at ATLAS.  
(October 1998—January 2002)

Michael Froese (from University of Manitoba, Canada):

Heavy-ion research at ATLAS.  
(May 2001-- )

David J. Hofman (from University of Illinois, Chicago, IL):

Heavy-ion research at ATLAS.  
(September 2000-- )

\* Judith Katzy (from University of Illinois, Chicago, IL):

Heavy-ion research at ATLAS.  
(February 1998-- )

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\* Guest Faculty Research Participant.

† Joined regular staff January 2002.

Andre Kolomiets (from ITEP, Russia):  
Accelerator development.  
(July-October 2000; November 2000—May 2002)

- \* Donald McLeod (from University of Illinois, Chicago, IL):  
Heavy-ion research at ATLAS.  
(June 1994-- )

Rachid Nouicer (from University of Chicago, Chicago, IL):  
Heavy-ion research at ATLAS.  
(April 1998-- )

Agnes Pailloux (from University of Strassbourg, France):  
Medium-energy physics studies.  
(March-June 2002)

- \* Eugene Shiles (Retired Professor)  
Theoretical physics studies.  
(August 2002)

Peter Winter (from Rheinische-Friedrich Wilhelms Universitat, Bonn, Germany):  
Medium-energy physics studies.  
(July-October 2002)

### Resident Graduate Students

Peter Cabauy (from University of Michigan, Ann Arbor, MI):  
Theoretical studies.  
(February-September 2000; January 2001—June 2002)

Mauricio Portillo (from Michigan State University, E. Lansing, MI):  
Accelerator development.  
(September 1995—May 2002)

Issam Qattan (from Northwestern University, Evanston, IL):  
Medium-energy physics.  
(August 2001-- )

- † Elaine Schulte (from University of Illinois, Urbana, IL):  
Medium-energy studies.  
(August 2000—February 2002)

### Guest Graduate Students

Khalefeh Abu Saleem (from Illinois Institute of Technology, Chicago, IL):  
Heavy-ion research at ATLAS.  
(June 1999- )

Xu Du (from Northwestern University, Evanston, IL):  
Medium-energy physics.  
(June 1999- )

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\* Guest Faculty Research Participant.

† Postdoctoral Appointee as of February 2002.



Andrew Geraci (from University of Chicago, Chicago, IL):  
Accelerator development.  
(December 1999- )

Louis Jisonna (from Northwestern University, Evanston, IL):  
Heavy-ion research at ATLAS.  
(June 2000-- )

Issam Qattan (Northwestern University, Evanston, IL):  
Medium-energy physics studies.  
(September 2001-- )

Christian Trempe (from McGill University, Montreal, QC):  
Heavy-ion research at ATLAS.  
(May-August 2000)

Li-Bang Wang (from University of Illinois, Urbana, IL):  
Medium-energy studies.  
(September 2001-- )

## Undergraduate Students

Krystal Bavlsik (Nazareth Academy)  
Laura Blomley (University of Manitoba)  
Matthew Brolley (North Central College)  
Thomas Cecil (Murray State University)  
Thomas Cocolios (McGill University)  
Ryan Enshiwat (University of Manitoba)  
Michael Froese (University of Manitoba)  
Sean Grullon (Florida International University, Miami)  
James Jenkins (DePaul University)  
William Karstens (St. Michael's College)  
Nikola Kunovski (North Central College)  
Daniel Lascar (University of Chicago)  
Luke Luginbuhl (Illinois Central College)  
Janelle Neubauer (North Central College)  
Daniel Peterson (University of Notre Dame)  
Marty Pickens (Monmouth College)  
Peter Probst (University of Illinois-Chicago)  
Patrick Salcido (Richard J. Daley College)  
Barbara Truett (Purdue University, Calumet)  
Jennifer Welsh (University of Illinois-Urbana)

## 2002 Pre-College Students

Michelle Alvarado (Hoffman Estates High School)  
Todd Strobel (Carl Sandburg High School, Orland Park, IL)

