

1. J. R. MACDONALD LABORATORY PERSONNEL

1997 – 2000

Faculty

Itzik Ben-Itzhak, Professor
Chander P. Bhalla, Professor
Kevin Carnes, Associate Research Professor and Assistant Director for
Accelerator Operations
C. Lewis Cocke, University Distinguished Professor and Associate Director for
Research Planning
Brett DePaola, Professor
Charles Fehrenbach, Assistant Research Professor
Tom J. Gray, Professor and Associate Director for Accelerator Operations
Siegbert Hagmann, Professor
James C. Legg, Professor and Department Head
Chii-Dong Lin, University Distinguished Professor
Patrick Richard, Cortelyou-Rust Distinguished Professor, Principal Investigator,
and J. R. Macdonald Laboratory Director
Martin P. Stockli, Associate Professor
Uwe Thumm, Associate Professor

Research Associates/Visiting Faculty

Imad Ali
Harald Bräuning, Present Address: University of Giessen, Germany
Shi-Hai Dong
Xavier Flechard
Ulf Lehnert, Present Address: Forschungszentrum Rossenford, Dresden,
Germany
Toru Morishita, Present Address: University of Electrocommunications, Japan
Emil Sidky
Mahendrajit Singh, Present Address: Institute for Plasma Research, Bhat,
Gandhinagar, India
Hiro Tawara, Permanent Address: National Institute for Fusion Science, Japan
Lokesh Tribedi, Present Address: Tata Institute of Fundamental Research,
Mumbai, India
Peter Zavodszky, Present Address: Michigan State University

Technical/Laboratory Staff

Daphne Brockman,* Secretary
Scott Chainey, Electronics Technician, beginning 11/15/99
Paul Gibson, Assistant Scientist
Dave Hill,¹ Machine Shop Foreman

Steve Kelly, Electronics Technician, until 9/15/99
Vincent Needham, Assistant Scientist
Robert Krause, Accelerator Engineer
Jane Peterson,¹ Secretary
Al Rankin, Assistant Scientist
Carol Regehr, Assistant Scientist
Dea Richard, Administrative Assistant
Mark Ross,¹ Electronics Shop Foreman
Tracy Tipping, Assistant Scientist and JRML Safety Officer
Mike Wells,¹ Cryogenics Engineer

*Part-time

¹Supported by Kansas State University

Graduate Research Assistants and Advanced Degrees Awarded

Abdallah, Mohammad, Ph.D. 1997, "Single Ionization in Highly Charged Ion-Atom Collisions at Low to Intermediate Impact Velocities."

Present address: Oak Ridge National Laboratory

Aliabadi, Habibollah

Chen, Chun-Yen, Ph.D. 1997, "Single Charged-Exchange in Ion-Ion Collisions." Present address: Argonne National Laboratory

Edgu-Fry, Erge

Ehrenreich, Thomas

Fry, Danny J.

Gu, Jian

Landers, Allen, Ph.D. 1999, "Differential Measurements of Low Energy Electrons from Collisions between Fast Projectiles and Deuterium And Helium Targets." Present address: Western Michigan University

Lee, Teck Ghee

Ling, Jiayi Diana, M.S. 1997, "Double Differential Cross Sections of Low-Energy Electrons Emitted Ion Ionization of H₂ by Bare Fluorine Ions." Present address: New York, Art Institute

Nabradi, Peter

Osipov, Timur

Reiser, Ingrid

Unal, Ridvan

Verzani, Christopher

Wells, Eric, Ph.D 2000, "Charge Transfer in Very Slow H⁺ + D(1s) Half Collisions." Fall 2000: University of Virginia

Zamkov, Mikhail

Undergraduate Research Assistants

May, Chadd
Bays, Sam
Avery, Stuart
Loader, Jason
Bachamp, Stuart
Witthoeft, Michael
Stanbaugh, William
Allen, Scott
McGowan, Elizabeth
Lynch, Bryan
Allen, James
Bloomfield, John
Phipps, Brian
Sandquist, Kurt
Stevenson, Brian
Sidorfsky, Tim
Sayler, Arthur

Visiting Scientists and Users

Abdallah, Mohammad – Oak Ridge National Lab, Oak Ridge, TN [14,9]
Adoui, Lamri – CIRIL, GANIL, France [2]
Bechthold, Uwe – GSI, Darmstadt, Germany [3]
Benis, Manolis – University of Crete, Greece [88,122]
Blieth, Claude – PANTECHNIK, France [1]
Brenn, Rudiger – University of Freiburg, Germany [2]
Chen, Chun-Yen – Argonne National Laboratory, IL [11]
Cheng, Song – University of Toledo, OH [9,7]
Coelho, Luis Felipe – Universidade Federal do Rio de Janeiro, Brazil [122]
Cuquemelle, Aurelie – University of Paris, France [190]
Day, Jamie – Transylvania University, Lexington, KY [21]
Doudna, Carmen – University of Missouri-Rolla, MO [67]
DuBois, Robert – University of Missouri-Rolla, MO [5,8]
Eastman, Brian - Guilford College, N. Carolina [8,8,8]
Emmons, Erik – University of Nevada, Reno, NV [67]
Fisher, Daniel, Colorado State University, Fort Collins, CO [11mos]
Fricke, Burkhard – Universität Kassel, Germany [3]
Fritsch, Wolfgang – Hahn-Meitner Institute, Germany [4,4]
Gealy, Mark – Concordia College, MN [9 mos]
Greene, Chris – JILA, University of Colorado, Boulder, CO [13,12]
Greenwell, Andrew – Transylvania University, KY [64]
Harrington, Adam – Rockhurst College, MO [67]
Hasan, Asad – Fort Hays State University, KS [70]
Horsdal-Pedersen, Erik – Aarhus, Denmark [23]
Huang, Ming-Tie – Photon Factory, KEK, Japan [3]
Igarashi, Akinori – Miyazaki University, Japan [21,14]

Illescas, Clara – Universidad Autonoma de Madrid [89]
 Kamber, Emanuel – Western Michigan University, Kalamazoo, MI [7]
 Kanai, Yasuyuki – RIKEN, Japan [15]
 Kentsch, Ulrich – Technical University of Dresden, Germany [80]
 Kerstein, Amanda – Concordia College, MN [2]
 Kitazawa, S. – Japan Atomic Energy Research Institute, Japan [6]
 Kniep, Jim – Iowa State University, IA [31]
 Kobayashi, Nobuo – Tokyo Metropolitan University, Japan [3]
 Komara, Robert – Colorado State University, Fort Collins, CO [6]
 Kraft, Gerhard – GSI, Darmstadt, Germany [3]
 Krasa, Josef - Academy of Science of the Czech Republic [14,14,18]
 Kunikazu, Ishii – Tokyo Metropolitan University, Japan [39]
 Lamm, Larry – University of Notre Dame, IN [4]
 Landers, Allen – University of Western Michigan, Kalamazoo, MI [10,6,9]
 Laska, Leos – Czech Academy of Sciences, Czech Republic [14,18]
 Leduc, Phillipe – National Institute of Applied Science, France [21]
 Luger, Verena – Max Planck Institute, Heidelberg, Germany [20]
 Lundeen, Steve – Colorado State University, Fort Collins, CO [7,80,5,8 mos]
 Madzunkov, Stojan – Institute of Physics, Belgrade, Yugoslavia [145,19]
 Mathur, Deepak – Tata Institute of Fundamental Research, India [3]
 Matsumoto, Jun - Tokyo Metropolitan University, Japan [49]
 Mroz, Waldemar – Institute of Optoelectronics, MUT, Poland [22,17,21]
 Nishide, Tatsuhiro - Tokyo Metropolitan University, Japan [73]
 Okuno, Kazuhiko – Tokyo Metropolitan University, Japan [9,6]
 Pfeifer, Miroslav – Academy of Science of the Czech Republic [14]
 Prokopiuk, Artur – Institute of Optoelectronics, MUT – Poland [18]
 Ranjan, Stephan – West Virginia Wesleyan, VA [68]
 Rothard, Hermann - CIRIL, GANIL, France [17]
 Schamis, Micah – Kenyon College, OH [31]
 Schauer, Jonathan – Concordia College, MN [2,4]
 Schedler, Roland – Technical University of Dresden, Germany [80]
 Schuch, Reinhold – MSI University, Sweden [2,4,7]
 Sekioka, Tsuguhisa – Himeji Institute of Technology, Japan [19,17,16,16,22,20]
 Shiromaru, Haruo – Tokyo Metropolitan University, Japan [8]
 Stier, Mike – National Electrostatics Corporation, Middleton, WI [4]
 Stolterfoht, Nico – Hahn-Meitner Institute, Germany [3]
 Sturru, Greg – Youngstown State University, OH [4]
 Sulik, Bela – Hungarian Academy of Sciences, Debrecen, Hungary [18]
 Tanis, John – Western Michigan University, Kalamazoo, MI [6]
 Tanuma, Hajime – Tokyo Metropolitan University, Japan [8]
 Tapia, Alejandro – Laboratorio de Cuernavaca, Mexico [8]
 Tawara, Hiro – National Institute for Fusion Science, Japan [6mos]
 Terasawa, Mititaka - Himeji Institute of Technology, Japan [13,11,16,13,13,17]
 Toth, Gabor – Western Michigan University, Kalamazoo, MI [10]
 Trautmann, Dirk – University of Basel, Switzerland [3]
 Tseng, Hsiang Chi – Chung Yuan Christian University, Taiwan [26]

Varghese, S. L. - University of South Alabama, Mobile, AL [20,18]
Voltsidou, Marotessa – University of Crete, Greece [92]
Ward, Shawn – Colorado State University, Fort Collins, CO [74]
Wille, Uwe – Hahn-Meitner Institute, Germany [13]
Wolf, Hans – Universidade Federal do Rio de Janeiro, Brazil [32,46,7,31,31,11]
Wolff, Wania - Universidade Federal do Rio de Janeiro, Brazil [32,46,31,31,11]
Zajfman, Daniel – Weizmann Institute of Science, Israel [2]
Zouros, T.J.M. – University of Crete, Greece [31,15,31,31]
[# of days spent at KSU each visit, except as noted]

Summer 1998 NSF REU Participants

Angelini, Tommy E.
Eastman, Brian
Grishin, Bogdan
Hamley, Melissa
Henderson, Connor
Keys, Roy
Lemire, Phillip
Merchant, Paul
Nguyen, Huong Thu
Phipps, Brian

Summer 1999 NSF REU Participants

Commer, Kristin
Kozel, Darla
Doudna, Carmen
Evans, Jason
Greenwell, Andrew
Foster, Jasmine
Emmons, Erik
Kniep, Jim
Ranjan, Stephan
Schamis, Micah
Slinker, Jason

Summer 2000 NSF REU Participants

Clark, Kendal
Columbia, Jonathan
Espino, Brian
Herd, Maria T.
Holloman, Ryan
Kinder, Jesse
Koay, Cheng Guan
Miller, Zach
Qian, Kang
Willis, Carl