March 2012

Dear Members of Congress:

We the undersigned 532 members of the Users Organization of the Facility for Rare Isotope Beams are writing in support of funding to support the scientific research missions of the Department of Energy’s (DOE) Office of Science and the National Science Foundation (NSF). We also strongly urge Congress to provide full funding for the Facility for Rare Isotope Beams (FRIB) through the Nuclear Physics program at the DOE Office of Science. This will bolster America’s global economic competitiveness and enhance our national security by enabling the U.S. to sustain and enhance its technological leadership position in the critical field of nuclear science.

We recognize that the 112th Congress is faced with a difficult budget environment, but we are very pleased that a strong bipartisan consensus has emerged over the past few years in Congress that robust investments in science and technology play a critical role ensuring continued U.S. prosperity. The Facility for Rare Isotope Beams is a key component of the research infrastructure needed to advance the field of nuclear science, as confirmed by both the DOE Nuclear Science Advisory Committee and the National Academies. This national user facility will enable scientists across the country to understand the workings of nature’s strong force, unravel the mysteries of the cosmic origin of atoms, devise tests for the fundamental laws of nature, and create new isotopes and tools for other fields of science, medicine, national security, and industry.

Not only does U.S. leadership in nuclear science have broad scientific and economic impact, it is also critical to the development of a talented and skilled nuclear workforce. Advances in the field of nuclear science have underpinned many of the world-changing breakthroughs in modern medical imaging, nuclear medicine, computer modeling and simulation, and energy production that have improved our lives and the world around us. However, the American Physical Society report on the Readiness of the U.S. Nuclear Workforce for the 21st Century Challenges discusses the “critical shortages in the U.S. nuclear workforce” and states that “There will be a continuing, long-term, significant need for nuclear scientists and engineers in industry, government, and academia, across a wide range of disciplines.”

Continued funding for the foundations of our nuclear science research capabilities, such as the Facility for Rare Isotope Beams, is critical to U.S. technological leadership, our national security, and to our long-term economic prosperity. We hope you will take the broad support of the nuclear science community – evidenced by this letter – into close consideration as you set Congressional budget priorities.

Sincerely,

The following undersigned member of the FRIB Users Organization*

* We are signing of our own accord and not on behalf of the institution for which we are employed.

1 Nuclear Science Advisory Committee 2007 Long Range Plan: The Frontiers of Nuclear Science; U.S. DOE
2 Scientific Opportunities with a Rare-Isotope Facility in the United States, Nat. Res. Council, Nat. Academy, 2007
Users Organization of the Facility for Rare Isotope Beams

Volha Abramkina
Illinois College

Brittany Abromeit
Michigan State University

Faisal Abu-Nimeh
Michigan State University

Anatoli Afanasjev
Mississippi State University

Tan Ahn
Michigan State University

Sunghoon Ahn
University of Tennessee

Michael Albers
Argonne National Laboratory

Martin Alcorta
Argonne National Laboratory

Sergio Almaraz-Calderon
Argonne National Laboratory

Daniel Alt
Michigan State University

Alan Amthor
Facility for Rare Isotope Beams
Michigan State University

John Anderson
Argonne National Lab

Ani Aprahamian
University of Notre Dame

John Arrington
Argonne National Lab

Harsha Attanayake
Ohio University

Sam Austin
Michigan State University

Melina Avila
Florida State University

Mikhail Avilov
Facility for Rare Isotope Beams
Michigan State University

Lagy Baby
Florida State University

Andrew Bacher
Indiana University Bloomington

Vincent Bader
National Superconducting Cyclotron Laboratory

Nicholas Baker
Ohio Wesleyan University

Jessica Baker
Florida State University

Baha Balantekin
U. Wisconsin

James Ball
Oak Ridge National Laboratory

Laura Bandura
Facility for Rare Isotope Beams

Adriana Banu
James Madison University

Dan Bardayan
Oak Ridge National Laboratory

Brent Barker
National Superconducting Cyclotron Laboratory
Michigan State University

Dan Barofsky
Central Michigan University

Jonathan Baron
Florida State University

Brad Barquest
National Superconducting Cyclotron Laboratory

Bruce Barrett
University of Arizona

Ramon Barthelemy
Western Michigan University

Jon Batchelder
Oak Ridge Associated Universities

Wolfgang Bauer
Michigan State University

Travis Baughner
National Superconducting Cyclotron Laboratory
Michigan State University

Thomas Baumann
National Superconducting Cyclotron Laboratory

Daniel Bazin
Michigan State University

Cornelius Beausang
University of Richmond

Fred Becchetti
University of Michigan

Saul Beceiro Novo
National Superconducting Cyclotron Laboratory
Michigan State University

Ana Becerril
IEM-CSIC

John Becker
Lawrence Livermore National Laboratory

Patrick Bedard
University of Notre Dame

Shadi Bedoor
Western Michigan University

Joseph Belarge
Florida State University

Carla Benatti
Michigan State University

Richard Bennett
Michigan State University

Georg Berg
University of Notre Dame

Christian Bernards
Yale University

Jill Berryman
Michigan State University

Peter Bertone
Argonne National Laboratory

Carlos Bertulani
Texas A&M University-Commerce

Andreas Best
Notre Dame

Carrol Bingham
University of Tennessee

Walter Binns
Washington University in St. Louis

Jeff Blackmon
Louisiana State University

Darren Bleuel
Lawrence Livermore National Laboratory

Scott Bogner
Michigan State University

Georg Bollen
Michigan State University

Thomas Borden
Michigan State University

Craig Bradley
Oak Ridge National Lab

Charles Brechtel
Ohio Wesleyan University

Nathan Brewer
Vanderbilt University

Ivan Brida
Los Alamos National Lab

Maxime Brodeur
National Superconducting Cyclotron Laboratory

James Brown
Wabash College

Alex Brown
Michigan State University

Edward Brown
Michigan State University

Kyle Brown
Indiana University

Justin Browne
National Superconducting Cyclotron Laboratory

Carl Brune
Ohio University

Thomas Brunner
Stanford University

Brian Bucher
University of Notre Dame

Thomas Burgess
Oak Ridge National Laboratory

Juan Burgos-Vazquez
Michigan State University

Scott Bustabad
Michigan State University

Joseph Caggiano
Lawrence Livermore National Laboratory

Roger Calantone
Michigan State University

Shane Caldwell
University of Chicago

Christopher Campbell
Lawrence Berkeley National Laboratory

Mark Caprio
University of Notre Dame

Anne Caraley
State University of New York at Oswego

Joseph Carlson
Los Alamos National Lab

Michael Carpenter
Argonne National Laboratory

Bryan Carr
Michigan State University

Adam Carroll
Oak Ridge National Laboratory

Lucia Cartegni
University of Tennessee

Ken Carter
Oak Ridge Associated Universities

Stuart Casarotto
Augustana College
Linwood Lee
Stony Brook
Daniela Leitner
Michigan State University
Antoine LeMasson
National Superconducting Cyclotron Laboratory
Thomas Lesinski
University of Washington
Timothy Lessard
Oak Ridge National Laboratory
Bao-An Li
Texas A&M University-Commerce
Qian Li
University of Notre Dame
Felix Liang
University of Tennessee
Sean Liddick
Michigan State University
David Lincoln
Michigan State University
C.J. (Kim) Lister
UMass Lowell
Shaohua Liu
University Radioactive Ion Beam Consortium
Oak Ridge Associated Universities
Holden Lombard
University of Notre Dame
Alexander Long
University of Notre Dame
Jorge Lopez
University of Texas at El Paso
Wolfgang Lorenzon
University of Michigan
Giuseppe Lorusso
Riken
Kailin Lou
University of Notre Dame
Walter Loveland
Oregon State University
Eric Lunderberg
Hope College
Bryan Luther
Concordia College
Thomas Luu
Lawrence Livermore National Laboratory
William Lynch
Michigan State University
Stephanie Lyons
University of Notre Dame
Ruimei Ma
Memorial Sloan Kettering Cancer Center
Wenchoa Ma
Mississippi State University
Ray Ma
Universal Display Corporation
Augusto Macchiavelli
Lawrence Berkeley National Laboratory
Guillaume Machicoane
Michigan State University
Carlos Maidana
Idaho State University
Brett Manning
Rutgers University
Paul Mantica
Michigan State University
Scott Marley
Western Michigan University
Felix Marti
Michigan State University
Thomas Massey
Ohio University
Milan Matos
Louisiana State University
James Matta
University of Notre Dame
Caleb Mattoon
Sean McDaniel
MITRE Corporation
Jordan McDonnell
University of Tennessee, Knoxville
Marcus McEllistrem
University of Kentucky
Alan McIntosh
Texas A&M University Cyclotron Institute
Gail McLaughlin
North Carolina State University
Dennis McNabb
Lawrence Livermore National Laboratory
David Marc McPherson
Florida State University, Department of Physics
Rhiannon Meharchand
Los Alamos National Lab
Krista Meierbachtol
Michigan State University
Zachary Meisel
National Superconducting Cyclotron Laboratory
Dan Melconian
Texas A&M University
Deseree Meyer
Rhodes College
Bradley Meyer
Clemson University
Nicolas Michel
University of Tennessee
Krystezof Mierink
Oak Ridge National Laboratory
John Millener
Brookhaven National Laboratory
David Miller
University of Tennessee
Scott Miller
Florida State University
Gerald Mills
Oak Ridge National Laboratory
Kei Minamisono
National Superconducting Cyclotron Laboratory
Michigan State University
Joe Mitchell
Florida State University
Wolfgang Mittig
National Superconducting Cyclotron Laboratory
Michigan State University
Michal Mocko
Los Alamos National Laboratory
Prajwal Mohanmurthy
Mississippi State University
Peter Moller
Los Alamos National Laboratory
Fernando Montes
National Superconducting Cyclotron Laboratory
Katelyn Montgomery
Central Michigan University
David Morrissey
Michigan State University
Chris Morse
National Superconducting Cyclotron Laboratory
Shea Mosby
Los Alamos National Laboratory
Sigmund Mosko
University of Tennessee
Peter Mueller
Argonne National Lab
Akram Mukhamedzhanov
Texas A&M University
Chithra Nair
Argonne National Laboratory
Hai Ah Nam
Oak Ridge National Laboratory
Farheen Naqvi
Yale University
Zaharia Nathaniel
Oak Ridge National Laboratory
Oscar Navilait-Cuncic
National Superconducting Cyclotron Laboratory
Michigan State University
Witold Nazarewicz
University of Tennessee
Caroline Nesaraja
Oak Ridge National Laboratory
Ngoc Nguyen
National Superconducting Cyclotron Laboratory
Michigan State University
Jeff Nico
Nikola Nikolov
Louisiana State University
George Noid
National Superconducting Cyclotron Laboratory
Kenneth Nollett
Argonne National Laboratory
Francois Nortier
Los Alamos National Laboratory
John Novak
Michigan State University
Sam Novario
Michigan State University
Filomena Nunes
Michigan State University
Volker Oberacker
Vanderbilt University
Christine OConnor
National Superconducting Cyclotron Laboratory
Thomas ODonnell
The New School, NYC
Mathias Steiner  
National Superconducting Cyclotron Laboratory  
Sharon Stephenson  
Gettysburg College Physics  
Ionel Stetcu  
Los Alamos National Lab  
Jeffry Stetson  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Jeremy Stevens  
Michigan State University  
Wolfgang Stoeffl  
Lawrence Livermore National Lab  
Andreas Stolz  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Mark Stoyer  
Lawrence Livermore National Laboratory  
Nancy Stoyer  
Lawrence Livermore National Laboratory-retired  
Sabrina Strauss  
Rutgers University  
Ragnar Stroberg  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Kristen Stryker  
Gettysburg College  
Scott Suchyta  
Michigan State University  
Chandana Sumithrarachchi  
Michigan State University  
Neil Summers  
Lawrence Livermore National Laboratory  
Rebecca Surman  
Union College  
Michael Syphers  
Michigan State University  
Tony Szedlak  
Michigan State University  
Samuel Tabor  
Florida State University  
Pei-Luan Tai  
Department of Physics, Florida State University  
Wanpeng Tan  
University of Notre Dame  
Xiaodong Tang  
Univ. of Notre Dame  
Eugene Tanke  
Facility for Rare Isotope Beams  
Oleg Tarasov  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Michael Thoennessen  
Michigan State University  
Ian Thompson  
Lawrence Livermore National Laboratory  
Luke Titus  
Michigan State University  
Livius Trache  
Texas A&M University  
Robert Tribble  
Texas A&M University  
Vandana Tripathi  
Florida State University  
Betty Tsang  
Michigan State University  
Claudio Ugalde  
University of Chicago  
Sait Umar  
Vanderbilt University  
Neelam Upadhyay  
National Superconducting Cyclotron Laboratory  
Karl van Bibber  
UC Berkeley  
Kai Vetter  
UC Berkeley  
David Vieira  
Los Alamos National Laboratory  
John Vincent  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Vic Viola  
Indiana University  
Alexander Volya  
Florida State University  
Justin VonMoss  
Florida State University  
Paul Voytas  
Wittenberg University  
William Walters  
Maryland  
Xiaofeng Wang  
Florida State University  
Emily Wang  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Ding Wang  
Michigan State University  
Jie Wei  
Michigan State University  
William Weintraub  
Ball State University  
John Weisend  
Michigan State University  
Dirk Weisshaar  
National Superconducting Cyclotron Laboratory  
Stephen Weppner  
Eckerd College  
Volker Werner  
Yale University  
Kurt Wiebold  
Michigan State University  
Ingo Wiedenhoever  
Florida State University  
Michael Wiescher  
University of Notre Dame  
Scott Williams  
Michigan State University  
Kathrin Wimmer  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Jeff Winger  
Mississippi State University  
Jack Winkelbauer  
Michigan State University  
Daniel Winkelhner  
National Superconducting Cyclotron Laboratory  
Robert Wiringa  
Argonne National Laboratory  
John Wood  
Georgia Tech  
Christopher Wrede  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Ching-Yen Wu  
Lawrence Livermore National Laboratory  
Alan Wuosmaa  
Western Michigan University  
Yoshishige Yamazaki  
Michigan State University  
Dengke Yang  
Kent State University  
Steven Yates  
University of Kentucky  
Ryan Yee  
UC Berkeley  
Lawrence Livermore National Laboratory  
Sherry Yennello  
Texas A&M University  
Richard York  
Michigan State University  
Mike Youngs  
National Superconducting Cyclotron Laboratory  
Chang-Hong Yu  
Oak Ridge National Laboratory  
John Yurkon  
National Superconducting Cyclotron Laboratory  
Peter Zavodszyk  
GE Global Research Center  
Remco Zegers  
National Superconducting Cyclotron Laboratory  
Michigan State University  
Vladimir Zelevinsky  
Michigan State University  
Al Zeller  
Michigan State University  
Edward Zganjar  
Louisiana State University  
Yan Zhang  
Michigan State University  
Yaxing Zhang  
Michigan State University  
Qiang Zhao  
Michigan State University  
Zhihong Zheng  
Michigan State University  
Shaofei Zhu  
Argonne National Laboratory  
Malgorzata Zielinska-Pfabe  
Smith College  
David Zumwalt  
University of Washington