

MICHIGAN STATE UNIVERSITY

July 31, 2014

MEMORANDUM

To: Mr. Donald Campbell, Office of Engineering and Technology, Federal Communications Commission

From: Thomas Glasmacher, FRIB Project Director, Michigan State University

Copies: Ronald Lutha, Federal Project Director, U.S. Department of Energy
Dan Morris, Deputy Electrical Engineering Department Manager, FRIB

Description of Facility for Rare Isotope Beams in Support of Obtaining an Experimental License from the Federal Communications Commission



Thomas Glasmacher, PhD
University Distinguished
Professor
and Project Director

Facility for Rare Isotope Beams

Michigan State University
640 South Shaw Lane
East Lansing, MI 48824

517-908-7710
glasmacher@frib.msu.edu

The Facility for Rare Isotope Beams (FRIB) is being designed and established by Michigan State University (MSU) as a U.S. Department of Energy Office of Science (DOE-SC) national user facility supporting the mission of the Office of Nuclear Physics in DOE-SC. FRIB will be owned and operated by MSU in support of DOE-SC's mission under the regulations applicable to MSU. MSU is a public research university located in East Lansing, Michigan, United States and is the first land-grant institution that was created to serve as a model for future land-grant colleges in the country under the 1862 Morrill Act. DOE-SC provides financial assistance to MSU to design and establish FRIB under Cooperative Agreement DE-SC0000661. DOE-SC provides oversight through its cognizant Federal Project Director, Mr. Ronald Lutha, U.S. Department of Energy CH-ISC, 9800 S. Cass Avenue, Argonne, IL 60439, phone: (630) 252-8173, email: ronald.lutha@ch.doe.gov.

FRIB will accelerate elements from hydrogen to uranium to over 200 MeV/nucleon (about 50% of the speed of light) in a superconducting linear particle accelerator and create rare isotope beams through in-flight separation. These rare isotope beams will enable scientists to make discoveries in nuclear physics, astrophysics, and in applications of rare isotope beams for society.

Mr. Dan Morris, FRIB Deputy Electrical Engineering Department Manager, (morrisd@frib.msu.edu, 517-908-7689) is the FRIB point of contact to the FCC in this matter.