

**CONTINUING RESOLUTION REGARDING SHARED AUTHORSHIP  
PURSUANT TO THE MEMORANDUM OF UNDERSTANDING  
FOR  
THE JET EXPERIMENTS IN NUCLEAR STRUCTURE AND ASTROPHYSICS  
(JENSA)  
COLLABORATION**



WHEREAS, the members of the Jet Experiments in Nuclear Structure and Astrophysics (hereinafter referred to as “JENSA”) Collaboration, comprising of individual scientists from several institutions, desire to cooperate in research activities in the operation and continued upgrade of a supersonic gas jet target for nuclear physics studies, and to act with one accord in the pursuit and publication of these studies.

THEREFORE, the members of the JENSA Collaboration (herein “Parties”) do hereby agree as follows:

I. Purpose of this Document

With the successful completion of the JENSA gas jet target commissioning phase at Oak Ridge National Laboratory and its subsequent long-term loan (Cf. DOE JENSA loan agreement documentation) to Michigan State University, an update to the original JENSA MoU of 29 March 2011 is required. This Continuing Resolution, which extends but does not nullify the JENSA MoU, is intended to protect and ratify the individual and institutional contributions, be they intellectual, financial or otherwise, to the JENSA project. This Resolution also recognizes Kelly Chipps as the new Project Lead for the JENSA project.

II. Representative Parties

A. Definition and Purpose

In order to maintain an organized leadership within the Collaboration, the following structure is adopted. A “core” of five Representative Parties, one from each of the Institutions which has contributed heavily during the design, construction, and/or commissioning phases of the JENSA gas jet target, will act as leadership for the Collaboration in matters pertaining to the provisions of this document.

## B. Representative Parties at the time of this Resolution

- i. Currently, the five Institutions are: Colorado School of Mines, Oak Ridge National Laboratory, Michigan State University, Louisiana State University, and the University of Notre Dame.
- ii. Currently, the five Representative Parties from the aforementioned Institutions are: Uwe Greife (Colorado School of Mines), Kelly Chipps (Oak Ridge National Laboratory), Hendrik Schatz (Michigan State University), Jeff Blackmon (Louisiana State University), and Dan Bardayan (University of Notre Dame).

## C. Regulations pertaining to Representative Parties

- i. A new Representative may be chosen by the Institution's existing Representative, or else the Institution may choose to nominate and elect a new Representative. The rules for such elections are not given in this Resolution.
- ii. Each Institution has only one Representative.
- iii. Representatives are directed to act in the best interest of their home Institutions and the JENSA Collaboration, above their own personal interests.
- iv. The Representatives can vote to allow additional contributing Institutions to be granted a Representative, based upon the demonstrated contribution from that Institution. In the context of this Resolution, "demonstrated contribution" from an Institution wishing to gain a Representative is a stricter requirement than that necessary for an individual researcher to join the Parties, as described in the MoU. The contribution must be of a fundamental and long-term nature. A supermajority is required for such changes to the Representative Parties.

## II. Additional Provisions of this Document

### A. Use of the JENSA gas jet target

The JENSA gas jet target during its tenure at Michigan State University, specifically on the SECAR beamline in the ReA3 hall but without regard to driver accelerator, shall be available to any researcher who wishes to propose and run an experiment using the gas jet target in collaboration with the Parties, given that the measurement is feasible as determined by the relevant Parties and, as necessary, by the PAC. The Parties, to the extent that is reasonable, shall assist said researcher in attaining the relevant information regarding specifications and operation of the JENSA target, in order to determine feasibility of the proposed measurement; the researcher shall not proceed with any proposal or measurement which is determined to be potentially damaging to the JENSA system. Any researcher who wishes to propose and run an experiment which conflicts directly with a proposal already generated within the Collaboration shall be notified of the fact, and invited to participate in the previously generated proposal if it is in the best interest of all. Only Parties with sufficient knowledge of the JENSA system will be allowed to operate it during any measurement. Any researcher who wishes to use the JENSA gas jet target acknowledges and accepts the additional provisions regarding authorship described herein.

## B. Refereed publications, proposals, etc

- i. For the purposes of any refereed publication, PAC proposal, or other official document, the following Parties must be listed as authors to acknowledge their contributions to the design, construction and/or commissioning of the JENSA gas jet target: K.A. Chipps (ORNL/UTK, formerly CSM), U. Greife (CSM), D.W. Bardayan (ND, formerly ORNL), J.C. Blackmon (LSU), A. Kontos (MSU/NSCL/JINA), L.E. Linhardt (LSU), M. Matos (IAEA, formerly ORNL/UTK), S.D. Pain (ORNL), S.T. Pittman (LSU, formerly UTK), H. Schatz (MSU/NSCL), K.T. Schmitt (ORTEC, formerly UTK), M.S. Smith (ORNL). If the publication discusses work done at MSU, the following Parties must be listed in addition: F. Montes (MSU/NSCL), J. Browne (MSU/NSCL), Z. Meisel (MSU/NSCL). This list may be updated at the end of the Period of Validity (Section III).
- ii. Other Parties may be added as authors based upon their additional contribution to the specific work being described, including undergraduate students.
- iii. If the formatting allows, a reference to the “JENSA Collaboration” should also be included in the author list or acknowledgements.
- iv. Exception: review-style articles, without regard to number of authors or if authorship is from inside or outside the Collaboration. Review articles may only use previously published material, and must cite the source of that material appropriately. If a review article is to use previously unpublished information, two criteria must be met. First, the new material must not be publishable on its own; second, the material must be approved, on a timely basis, by a supermajority of the Representatives.

## C. Theses

- i. Any thesis submitted as part of the requirements for a bachelors, masters or doctorate based wholly or in part on JENSA-related experiments or design/fabrication work should reference the list of authors listed in II.B.i in the Acknowledgements or somewhere similarly appropriate within the text, and should also reference the “JENSA Collaboration” in a similar place.
- ii. The provisions listed below under II.I also apply to theses; however, explicit acceptance of the document by the authorship list of II.B.i is not required for successful completion of the degree.

## D. Grant proposals

- i. The concepts and/or ideas described in any grant proposal which utilizes or intends to modify or add to the JENSA gas jet target, independent of authorship, while encouraged, must first be discussed and approved in a timely manner by a supermajority of the Representative Parties.
- ii. Grant proposals which intend to modify or add to the JENSA system must explicitly list the Institutions of the Representatives (see 2.B.i) somewhere in the text.
- iii. Grant proposals which intend to modify or add to the JENSA system must explicitly reference the “JENSA Collaboration” somewhere in the text.

#### E. Unrefereed publications

The provisions for authorship and acknowledgement for unrefereed publications such as some conference proceedings or internal institutional reports are the same as those specified for refereed publications (II.B).

#### F. Posters, presentations, etc

- i. Official posters/presentations/similar, such as those intended for conferences, seminars, colloquia, or generally the wider scientific community, shall fall under the same provisions as for refereed publications (II.B). The required author list may be presented anywhere during the presentation, and may be separated based upon subtopic so long as all authors are included. This provision also covers CEU posters and any presentations to PACs or funding bodies.
- ii. Unofficial posters/presentations/similar, such as those intended for tours, Science Cafes, or other non-scientific audiences, shall fall under the same provisions as for grant proposals (II.D.ii and II.D.iii), with the exception that official logos representing the Institutions may be substituted for text.

#### G. Abstracts

- i. In the case of long abstracts, such as for specialized conferences, the same provisions as for refereed publications apply (II.B).
- ii. In the case of short abstracts where space is severely limited, such as APS style abstracts, it is sufficient to reference only the “JENSA Collaboration” provided that the provisions for the poster/presentation/etc described by the abstract are followed (II.F).

#### H. Other documents

Any other type of document, such as one-page progress reports or news bulletins, or any other type of document not explicitly listed in this Resolution, shall fall under the same provisions as grant proposals (II.D), with the exception that official logos representing the Institutions may be substituted for text.

#### I. General provisions for authorship

- i. For any publication/presentation/etc described herein where explicit authorship of Parties is listed, all of the Parties included in the author list must be given sufficient notice to provide input to said document.
- ii. For any publication/presentation/etc described herein where explicit authorship is limited to “JENSA Collaboration” and/or the contributing Institutions, the Representative Parties must be given sufficient notice to provide input to said document.
- iii. Reference to funding bodies should be given as required by those funding bodies.

### III. Period of Validity

This Continuing Resolution is intended to memorialize the understanding of the Parties to encourage and promote cooperation in JENSA Collaboration research activities. The Parties agree that this Memorandum is not intended to be legally binding and that if the Parties desire to create specific, legally-binding obligations with respect to performance of activities as part of such collaboration and/or cooperation, such binding obligations shall be set forth in a separate written agreement signed by duly authorized representatives of those Parties.

This Memorandum shall become effective on the date it is ratified by a majority of the Representative Parties and be valid for a period, of a minimum of three (3) years, determined by the demonstrable establishment of the JENSA gas jet target as a regular, reliable User Device, the operation of which does not require the input of the entirety of the original Parties. If this period extends past the dates of validity of the original Memorandum of Understanding, it shall remain valid unless or until a new MoU is ratified by a majority of the Parties contradicting the terms set herein.

IN WITNESS WHEREOF, the Parties have executed this Memorandum and represent that they approve, accept and agree to the terms contained herein.

By:  
Kelly Chipps, ORNL/UTK,  
for the JENSA Collaboration  
Date ratified:  
December 19<sup>th</sup>, 2013