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1. If applicable, revise the document in accordance with the provided comments and submit a final copy to FMP Information Security Services (ISS) via the Public Utterance Mailbox. Revised copies must be provided within two weeks of this approval.
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Thank you for your assistance.

**Technical Information Review and Approval Request**

(As a minimum, ALL the required (\*) fields must be completed)

<b>*Level Review</b> Prime	<b>Document Number</b> 191104	<b>*Prime Contract Number</b> DOE-89233018CNR000004 (FMP)	
<b>*Cognizant Field Office</b> NRLFO-SCH	<b>*Originating Prime</b> NNL	<b>*Cognizant Department</b> Reactor Technology	<b>Sub-Division / Section</b> Reactor Physics
<b>*NR Section Head</b> Thomas Vavoso	<b>*Cog. NR Engineer</b> Scott Beck	<b>*Cog. Field Office Engineer</b> Matthew Sawyers	<b>*NR Section</b> 081
<b>Date Prime Submitted to Field Office/NR</b> 10/21/2019	<b>Due Date</b> 11/19/2019	<b>*Short Review?</b> No	<i><b>READ!</b> Five working days must be allowed for the Prime Contractor's PU Office to process and submit the request to the Field Office/NR, and 20 working days for the Government. Due Dates &lt;20 working days (Short Review) for the Government require prior Government consent for expedited processing (Expedited Request Form).</i>
<b>*Submittal Type</b> Full Document	<b>*Purpose</b> Publication	<b>*Technical</b> Yes	

**\*Subject/Title** Proton-induced reactions on Fe, Cu, & Ti from Threshold to 55 MeV

**\*Classification Determination:** This document is  
Unclassified - Unlimited

**Keyword(s):**  
RPI; LINAC; Cross Section; Iron

**in accordance with the current DOE-DOD Classification Guide, Topic(s)**  
CG-RN-1 Topics 6.1.1, 6.1.2, 6.2.1

**Author Information (At least one author must be provided)**

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E	F	Matthews	University of California - Berkeley
A	MI.	Springer	University of California - Berkeley

**End Use Information****\*1. Was the material taken from previously approved materials?** No

If YES, Identify the report(s) by Document Number    Document Number.  
    Document Number.  
    Document Number.

**2. Describe Place To Be Submitted to**

<b>Meeting Date</b>	<b>To Be Submitted to</b>	<b>Meeting Location</b>
Date	Physical Review C	Meeting Location.
Date	Meeting Name.	Meeting Location.

**3. Describe any other purpose and any additional supporting information (e.g. Thesis, advertisement)**

Co-author Amanda Lewis is a Rickover Fellow.

**4. Identify any documents (and their dates) that previously reported the information in this document to the Government**

<b>Date</b>	<b>Document</b>
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Date. Title and document number.

**Patent Copyright Information**

- \*1. To your knowledge, does this information disclose and/or discuss any new equipment, process, or materials, which may be patentable? No
- \*2. Has an Invention Disclosure been submitted on any aspect of this information? No  
If YES, give disclosure number(s) Disclosure #.
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**Content Category**

The material has been determined to be within the identified Content Category and has been provided to NR for information.

Content Category: Nuclear Data Research (I#17-00273)

Name of NR Technical Representative: Scott Beck

10/10/2019  
Date**Approvals**

I have reviewed the attached document and certify that, to the best of my knowledge the information contained therein is technically correct, is appropriate for the purpose specified above, complies with checklist items and is classified appropriately. Any references are available to appropriate readers. Any illustrations are functional and relate entirely to the transaction of public business. Intelligible documents will be sent to the DOE Office of Scientific and Technical Information (OSTI) for indexing, abstracting, and announcement.

Date By Which Material Is Requested: 10/18/2019

This date is not guaranteed but does help IS establish priority and keep your submittal visible throughout the process.

  
Author SignatureBrian Epping, for  
Author NameOctober 08, 2019  
Date  
ADC SignatureBrian Epping  
ADC NameOctober 08, 2019  
Date  
Senior Manager SignatureThomas Krulikowski  
Manager NameOctober 08, 2019  
Date**Form Preparation**

Information Security has updated this form in preparation for approval and/or submittal to the Government.



Information Security

October 21, 2019

Date

**Government Action (Government/IS Use Only)**

Date	Final Decision	Comments?
10/21/2019	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<input type="checkbox"/> Yes – Major <input type="checkbox"/> Yes - Minor
Comments	Government/IS Use Only.	

  
Prime Contractor RepresentativeOctober 21, 2019  
Date