

DOE CSGF - Gabriel Casabona



Name: Gabriel Casabona

Year 4 of 4

Verification of Fellowship and Dissertation Calendar and Publication Information

<i>Fellowship Completion Schedule</i>	<i>Date</i>
Date Fellowship Began	<input type="text" value="2019"/>
Date to Identify M.S. Thesis Topic *	<input type="text" value="n/a"/>
Date to Finish M.S. Thesis Research *	<input type="text" value="n/a"/>
Date to Receive M.S. Degree *	<input type="text" value="n/a"/>
Date of Ph.D. Candidacy Exams	<input type="text" value="06/23"/>
Date to Identify Ph.D. Dissertation Topic	<input type="text" value="06/23"/>
Date of Dissertation Defense	<input type="text" value="06/25"/>
Date Ph.D. Dissertation Final Submission	<input type="text" value="06/25"/>
Date to Receive Ph.D. Degree	<input type="text" value="06/25"/>

M.S. Thesis Topic *
<input type="text" value="n/a"/>
Ph.D. Thesis Area
<input type="text" value="Theoretical Astrophysics"/>
Ph.D. Dissertation Topic
<input type="text" value="Theoretical and computational modeling of a fully general relativistic fluid model for neutron stars."/>
Publications
<p>Mozumdar, P., Fisher, R., & Casabona, G (Jul 2018). Carbon Detonation Initiation in Turbulent Electron-Degenerate Matter. arXiv:1807.03786 (in submission to ApJ)</p> <p>Casabona, G (Mar 2019). Detonation Initiation in Type Ia Supernovae. APS March 2019. Boston, Massachusetts</p> <p>Casabona, G (Nov 2018). Carbon Detonation Initiation in Turbulent Electron-Degenerate Matter. APS New England 2018. University of Massachusetts Dartmouth</p> <p>Casabona, G (Apr 2018). Carbon Detonation Initiation in Turbulent Electron-Degenerate Matter. APS April 2018. Columbus, Ohio</p> <p>Casabona, G (Jan 2019). Detonation Initiation in Type Ia Supernovae.</p>

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223 rd Meeting of the AAS. Seattle, Washington

Casabona, G (Nov 2018). Carbon Detonation Initiation in Turbulent Electron-Degenerate Matter. APS Bridge/NMC Conference 2018. Stanford University

Casabona, G (Jul 2018). Carbon Detonation Initiation in Turbulent Electron-Degenerate Matter. IHPCSS. Technical University of Ostrava, Czech Republic

Awards and honors

FIU Dean's List: Spring 2013, Spring 2016

I have completed this dissertation calendar and publication information form and affirm that to the best of my knowledge it accurately reflects my expected plans.

Signature of Fellow DocuSigned by: *Gabriel Casabona* Date 9/12/2022
7B1D107FD5CF428

Signature of Academic Advisor *Shane L. Larson* Date 15 SEPT 2022

Signature of Krell Institute _____ Date _____

Please send the signed page to the following address:

DOE Computational Science Graduate Fellowship Program

Krell Institute

Attn: DOE CSGF Coordinator

1609 Golden Aspen Drive, Suite 101

Ames, IA 50010

Phone: 515-956-3696

Fax: 515-956-3699

csgf@krellinst.org

** If Applicable*