

# DARTMOUTH

Department of Physics and Astronomy

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## GRADUATE PHD THESIS PROPOSAL APPLICATION

••Please Print••

Name: Jules van Irsel Today's date: April 14, 2022

I request approval of the attached thesis topic:

Title: Current Continuity in Auroral System Science

Planned Proposal Date: May 10, 2022 Time: 11am - 1pm

Preferred room: HALDEMAN 031 Alternate room: Anything

Thesis Advisor: K A LYMAN [Signature]  
Name Signature

Committee Member: Yi-Hsin Liu [Signature]  
Name Signature

Committee Member: James LaBelle [Signature]  
Name Signature

Approved by Lorenza Viola [Signature]  
Graduate Adviser: Name Signature

### PhD Thesis Proposal Instructions:

Submission of this form officially notifies the Department of Physics & Astronomy of the student's intent to attempt the *Thesis Research Proposal* as the last requirement before the student may advance to PhD candidacy. This year, the form is to be completed and submitted to the Physics & Astronomy Department Office no later than **Friday, April 15, 2022**. **A one-page description or abstract of the intended research must be attached.** The student must then deliver the thesis proposal paper (length: 10-20 pages) to their committee **at least five working days** prior to the thesis proposal presentation date. The faculty will also be notified of the proposal presentation **at least five working days** prior to the thesis proposal presentation date. The examination must be attempted by **Friday, May 13**, and must consist of a seminar-style technical presentation (~45 minutes in duration) that is open to all faculty, postdoctoral research associates, as well as a subset of graduate students invited by the adviser. Following open questions, the audience apart from the committee will be excused and the examination will continue. The thesis committee will examine the student to determine their preparation and planning for research, knowledge of the field, as well as general physics or astronomy knowledge. No later than two weeks after the proposal, a cover sheet signed by the committee members is due in the Department Office, along with a copy of the proposal. If any deadlines are missed, the student must petition the Graduate Curriculum and Policy Committee in order to remain in good standing.

**Please continue on the next page**

List at least **one possible external committee member**, if none is already on the committee:

Matthew Zettergren

I passed the departmental **Core Competency Requirement**: Sep 21, 2020 (date)

I have completed the following **graduate core courses** (list course number, term, and grade):

100	FA 19	HP
101	FA 19	HP
090	WI 20	P
105	WI 20	HP
104	SP 20	P

I have completed the following terms of **Supervised Undergraduate Teaching**:

WI 20
SP 20
WI 21
SP 21

I have completed the following additional **courses carrying graduate credit**:

068	FA 19	HP
115	SP 20	P
111	WI 21	HP
118	WI 22	HP

I plan to complete the following **courses needed to fulfill the requirements** of the PhD:

076	SP 23

I have (co-)authored the following **research article(s) or preprint(s)**:


Student:

Jules van Irsel

Name

  
Signature