

## UNDERGRADUATE INDEPENDENT STUDY OR RESEARCH

This form serves as a record of information for the Department of Physics, the faculty, and the student regarding the student and faculty's understanding of independent study.

Get supervising professor's signature and route form to [gositz@physics.utexas.edu](mailto:gositz@physics.utexas.edu)

Semester (circle):      Fall      Spring      Summer      2021

Course Number (circle one):      Unique Number: 56835

PHY 108    PHY 371C    PHY 379H    PHY 670TA    PHY 670TB

Student: Akhil Sadam      UTEID: as97822

Supervisor Name/UTEID: Dr. John Markert

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### TO BE COMPLETED BY THE STUDENT

Brief statement of work proposed (initial objectives, some general tasks to be completed, etc.):

Initial design and use of capacitive and fiber-optic-interferometer systems to measure

predicted macroscopic angular momentum in an MgZn ferrite sample. Current tasks to

be completed: make a more accurate estimate from Dr.Niu's theory paper, complete

APS meeting presentation, and after the interferometry is tested, begin to take initial data.

Akhil Sadam

Student's Signature

Date: 01/26/2021

John Markert

Supervisor's Signature

Date: 1/26/21

**\*\*If you are an undergraduate student, you must also obtain permission from the Undergraduate Advisor.**

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Undergraduate Advisor's Signature

Date

Please return the completed form to RLM (PMA) 5.214 before the start of the fall / spring semester. The Academic Program Coordinator will lift the restriction for you to register for class.