



Student Name Chase Brooks Student ID \*\*\*\*\*

Doctoral  Degree in Physics

Thesis Title:

A Modern Approach to Doping, Defects, and Disorder - Insights Into the Topological Semimetal Cd3As2 Through Advanced Thermodynamic Modeling

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)?  Yes  No

IRB Protocol Number \_\_\_\_\_

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)?  Yes  No

IACUC Protocol Number \_\_\_\_\_

Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.



**Approvals:**

Committee Chair Name Daniel Dessau

Signature  Date Signed 4/11/2025

Committee Member Name Mark van Schilfgaarde

Signature  Date Signed 4/14/2025

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.