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Graduate School UNIVERSITY OF COLORADO BOULDER

Thesis Approval Form

Student Name Hengdi Zhao	Student ID_*******
Doctoral Degree in Physics	
Thesis Title:	
Discovery and Control of Quantum States in 4d/5d	Transition Metal Materials
Have you performed research involving human subj	ects which requires approval from the
Institutional Review Board (IRB)? Yes _X_ No	
IRB Protocol Number	
Have you used live animals, animal tissue, or observational animal work which requires approval	
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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 Gang Cao	
Signature <u> <u> <u> <u> </u> </u></u></u>	Date Signed 11/15/2022
Committee Member Name Sandeep Sharma	
Signature	Date Signed _11/15/2022

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.