FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

GROUND-STATE DIAGRAMS

AND MULTICRITICALITY IN THREE-STATE ISING AND LATTICE-GAS MODELS

By

DANIEL SILVA

A Dissertation submitted to the Department of Physics in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2021

Daniel Silva defended this dissertation on October 27, 2021.
The members of the supervisory committee were:

Per Arne Rikvold Professor Co-Directing Dissertation

Jorge Piekarewicz Professor Co-Directing Dissertation

Tomasz Plewa University Representative

Jeremiah Murphy Committee Member

Volker Crede Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.