THORNADO-HYDRO, XCFC: A DISCONTINUOUS GALERKIN HYDRODYNAMICS SOLVER FOR GENERAL RELATIVISTIC CORE-COLLAPSE SUPERNOVA SIMULATIONS

By

Samuel John Dunham

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Approved:	Date:
Kelly HolleyBockelmann	March 22, 2024
Kelly Holley-Bockelmann, Ph.D.	March 21, 2024
Eirik Endeve, Ph.D. Anthony Mezzacappa	March 22, 2024
Anthony Mezzacappa, Ph.D. William Dabella	21 March 2024
William Gabella, Ph.D.	
Sait Umar, Ph.D.	