

Abstract Submitted
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**Multi-Angle Multi-Group Radiation-Hydrodynamics Simulations
Of Core-Collapse Supernovae**¹ CHRISTIAN D. OTT², Steward Observatory,
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ard Observatory, The University of Arizona, ELI LIVNE, Racah Institute of Physics,
Hebrew University, Jerusalem, JEREMIAH MURPHY, Department of Astronomy
and Steward Observatory, The University of Arizona — We present new results
from axisymmetric multi-angle, multi-group neutrino radiation-hydrodynamic cal-
culations of the postbounce phase of rotating and nonrotating core-collapse super-
novae. We analyze the effect of the multi-angle treatment on neutrino radiation field
anisotropies and the net energy deposition and compare our results in detail with
multi-group flux-limited diffusion counterpart calculations.

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