Abstract Submitted
for the APR18 Meeting of
The American Physical Society

Equation of state effects on core-collapse supernovae ANDRE DA SILVA SCHNEIDER, California Institute of Technology, CHRISTIAN OTT, None, LUKE ROBERTS, Michigan State University — Using the recently developed SROEOS code we construct many hot dense equations of state (EOSs) of nuclear matter. We use the newly computed EOSs to investigate how different aspects of nuclear matter affect the dynamics and observables of the core-collapse of a massive star and the properties of the resulting proto-neutron star.

Andre Da Silva Schneider
Caltech

Date submitted: 11 Jan 2018 Electronic form version 1.4