Abstract Submitted for the APR09 Meeting of The American Physical Society

Critical Gravitational Collapses in Neutron Star Like Systems MEW-BING WAN, KE-JIAN JIN, WAI-MO SUEN, Department of Physics, Washington University in St Louis — We study the critical solution of neutron star like system previously found (Jin and Suen (2007)). In particular we show that the solution is a semi-attractor in the threshold plane separating the black hole phase and the neutron star phase. We find interesting space time and hydrodynamic properties of the solution.

> Mew-Bing Wan Department of Physics, Washington University in St Louis

Date submitted: 08 Jan 2009

Electronic form version 1.4