Abstract Submitted for the DPP05 Meeting of The American Physical Society

Current Sheet Formation in Compressible MHD: Analytical and Numerical Results BHIMSEN SHIVAMOGGI, DAVID ROLLINS, University of Central Florida — Current sheet formation near a hyperbolic magnetic neutral line is considered. Effects of compressibility are included. A finite-time singularity is exhibited. Analytical and numerical results are given.

Bhimsen Shivamoggi University of Central Florida

Date submitted: 24 Jul 2005 Electronic form version 1.4