

Published Work

K. E. Korreck, T.H. Zurbuchen, S. T. Lepri, J. Raines “Heavy Ion Heating by CME Driven Collisionless Shocks”, accepted ApJ- 2007

K.E. Korreck, E. Kellogg, J. L. Sokoloski, “A Study of the mass loss rates of symbiotic star systems” Proceedings of “The Multicolored Landscape of Compact Objects and their Explosive Origins”, 2006

K. E. Korreck, J.C. Raymond, T.H. Zurbuchen, P. Ghavamian, “FUSE Observations of the Non-Radiative Collisionless Shock in the Remnant of SN1006”, 615, 280, ApJ, 2004

J.C. Raymond and **K.E. Korreck**, “Proton, Electron and Ion Temperatures in Fast Shocks”, Proceedings from “The Physics of Collisionless Shocks “, 781, 342, 2005

E. Kellogg, C. Anderson, **K. Korreck**, J. DePasquale, J. Nichols, J. Sokoloski, M. Krauss, & J. Pedelty “Evolution of Extended X-ray and radio emission from the outer jets in R Aqr: epochs 1999.8 to 2004.0”, submitted to ApJ

K. E. Korreck, J.C. Raymond, “Simulation of Neutral Atoms at Collisionless Shock Fronts: Can the neutrals be a shock precursor?” in preparation for ApJ

Presentations

K.E. Korreck, “Ion heating in Collisionless shocks”, Dissertation Talk, AAS Conference, January 2005 (Contributed Talk)

K.E. Korreck, T.H. Zurbuchen, J.C. Raymond, “Ion Heating in Collisionless Shocks of Coronal Mass Ejections”, SHINE Conference, June 2004 (*Contributed Poster*)

K.E. Korreck, “Collisionless Shocks: Heating Ions and Electrons in SN1006”, CfA/MIT Joint Seminar Series on Supernova Remnants, Harvard Smithsonian Center for Astrophysics, April 2004 (Invited Talk)

K.E. Korreck, J.C. Raymond, T.H. Zurbuchen, “Collisionless Shocks: SN1006 Ion and Electron Heating”, American Astronomical Society Conference, January 2004 (*Contributed Poster*)

K. E. Korreck “CAM 2005: Physics Knows No Borders”, APS FGSA-Newsletter

K.E. Korreck, J.C. Raymond, T.H. Zurbuchen, “Collisionless Shocks in Astrophysical Plasmas”, American Physical Society-International Graduate Student Conference, October 2003 (*Invited Oral*)