



Acceleration in Reconnection and Shocks

Andrey Beresnyak and Alex Lazarian
University of Wisconsin-Madison (beresnyak@wisc.edu)

The process of Cosmic Rays (CR) acceleration faces a number of challenges. First of all, measurements of Voyagers got results inconsistent with the acceleration of anomalous CRs in the termination shock. We show that fast turbulent reconnection can efficiently accelerate cosmic rays through the First order Fermi process. We compare acceleration in reconnection with shock acceleration.