



Characterization of Magnetic discontinuities from MHD to sub-proton scales

Antonella Greco, Silvia Perri, and Sergio Servidio

(antonella.greco@fis.unical.it) Physics Department, University of Calabria, Rende (CS) ITALY

The spatial properties of the turbulent field at different scales down towards sub-proton scales have been studied using CLUSTER magnetic field data in solar wind.

A statistical analysis has been performed in order to characterize current sheets at these scales and to study their role in space plasma physics.