



Modification of current helicity scaling properties as large flares indicator.

L. Sorriso-Valvo (1), C. Briand (2), A. Vecchio (3), V. Carbone (3) and A. Noullez (4) .

(1) LICRYL - INFN/CNR - Rende (CS) - Italy, (2) LESIA - Observatoire de Paris-Meudon - France, (3) Dipartimento di Fisica - Universita' della Calabria and INFN Sezione di Cosenza, Rende (CS) - Italy, (4) Laboratoire Cassiopee, Observatoire de la Cote d'Azur - Nice - France

We present the cancellation analysis of the magnetic field within an Active Region which gave a high energy flare. We observe that the cancellation exponent, indicating the topological properties of the magnetic field, show an abrupt change in correspondence with the flare.