

Positron observations in cosmic rays and planetary systems around pulsars

C. Grimani (1)

(1) University of Urbino and INFN Florence, Italy (cgrimani@fis.uniurb.it; Fax: +390722375933)

Mature pulsars have been indicated as sources of cosmic-ray electrons and positrons. This possibility depends critically on the fraction of pulsars that lie outside of their host remnant shells as a function of age.

We investigate if the discovery of debris disks around young isolated pulsars is consistent with the above proposed scenario.