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26-day recurrent cosmic ray decreases: recent COSPIN/KET results

C. Paizis(1), G. Sarri(1), **B. Heber(2**), H. Kunow(3), R. Müller-Mellin(3), and G. Wibberenz(3)

(1) Istituto Fisica Cosmica CNR, Universit di Milano, 20133 Milano, Italy, (2) FB Physik, Universität Osnabrück, Germany, (3) IEAP CAU Kiel, 24118 Kiel, Germany

Starting from about the middle of year 2004, and while Ulysses is climbing from low to higher latitudes, the Kiel Electon Telescope data show clear 26-day recurrent cosmic ray decreases in various energy channels. In this work we study the relative amplitude of these decreases and their rigidity dependence. We also compare our present results with those obtained in the 1st and 2nd south pass when Ulysses was at Heliolatitudes lower than 30° . The comparison with the 1st pass is particularly interesting because the measurements are made under comparable solar cycle phases. In all cases we find that, although the relative amplitudes of the decreases are different, there is a remarcable similarity in the shape of their rigidity dependence.