

PDFS OF TURBULENT FLUCTUATIONS IN THE SOLAR WIND

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Solar wind data has been used to compute and analyse the probability distribution functions (PDFs) of the turbulent fluctuations of the magnetic, velocity and Elsasser fields. A quantitative analysis of such PDFs has been done, using a model due to Castaing et al. The parameters computed from the fit of the PDFs display power law scaling. Such behavior make us able to compare in quantitative way the intermittency effects for the different fields.