



## **Analysis of scaling behaviour in seismic interevent series revealed by detrended fluctuation analysis**

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The scaling behaviour of the 1981-2007 seismicity data in central Italy, which is one of the most seismically active area in Italy is investigated. In particular we examined the earthquakes located in a circular area centred on the epicentre of the strongest event, occurred in September 26, 1997 (duration magnitude MD=5.8). On the base of the detrended fluctuation analysis (DFA), we found that in the magnitude range between 2.5 and 2.9 the scaling exponents fall into disjoint sets for events relatively close and far from the epicentre of the strongest event.