



Fig. 5.4 Partition functions ($q=2,3,\dots,7$, from top to bottom) for the inter-event times of the Vrancea intermediate-depth earthquakes (undeclustered catalogue). Several regions are delimited, based on their different characteristics. Regions B and D characterize the short-range and long-range interactions, respectively. The partition functions are clearly influenced by “edge effects” in Regions A and E, situated at the ends of the analyzed scaling region. Region C is the transition between regions B and D and has an insufficient number of data for determining a reliable multifractal spectrum. The indicated ranges correspond to the fitted scales in regions B and D.