

DATA ACQUISITION SYSTEM OF THE CANGAROO-III TELESCOPE

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We report the design and development of the data acquisition system of CANGAROO-III, in particular the second 10m telescope. The multi-pixel camera of about 400 PMTs, covering a field of view of 4 degrees, is placed at the prime focus, and the signal from each PMT is measured with charge ADC and TDC(1ns resolution) modules on a fast VME-bus, which is read by a VME onboard CPU running a real time OS. In CANGAROO-III observations the event data of all four telescopes will be collected via fast ethernet, and analyzed with the event builder.