

A New Time Digitizer Electronics to Record EAS Event

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A 100MHz time digitizer is described. The time digitizer is presently used in an EAS experiment in Gauhati University, Assam, India to record UHE Cosmic Ray events by Mini Array Method. The device is capable of recording time spread of the secondary particles upto $2.5\mu\text{S}$ with a resolution of 10nS . A description of the operation and tests of the time digitizer is presented. The results of the time digitizer electronics in the present experiment is also presented.