

INTRODUCTION OF WAVEFORM DIGITIZER

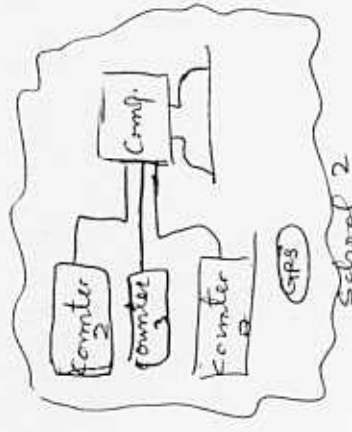
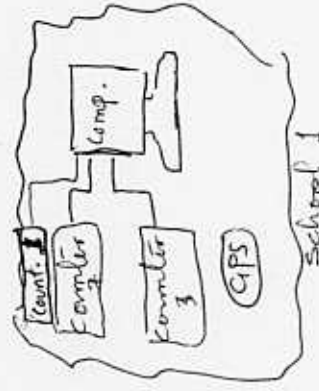
- To include high-schools in cosmic ray research, there is the need for the most affordable way of incorporating cosmic ray studies in high schools.

- Need a system that could digitize and hold about 100 bits/second

$A_{c1} T_{c1}$
 $A_{c2} T_{c2}$
 $A_{c3} T_{c3}$
 GPS

2 by 1's each
2 7.5yo

- DAC that gave possibility of looking back in time to determine shower direction



System with proper time resolution

System that is not too expensive { CAMAC \$3K - \$10K
Waveform Digitizer, Comp \$10. }

Waveform Digitizer meets this criteria