3. 384 anode wires

Note = 1 cm / µs

Max drift time of 6.5 µs

resolution & Zero µm

Applifier

Revision.

Drift tube

Oscillarp.

Attenuator 2 Delay ADC

The capacitor detects the charge from the electrons reaching the end of the drift churber.

The volting creded by the dischering carriedon's then amplified. The signed is the stat. to I k @ where in () the signed 19 again amplified and ressel to adoscriminator which decides if the input is of interest (above a certain volty velve).

In @ the attenuation reduces the amplified of the signed to help protect further componers from robust damps.

The signal is the delayed as a short solse will take longer to go from low to high for Masormed. The signal is then converted to a digital signal via an ADC which will give a completed signal to the scalar of the descriminator decides the signal 15 of inderest.

covers /cn/us aba min returd 6.5 Ms: conein a max distance of 65,000 pm. At a resolution of allert zoo ps to resolve the signed => 65,000/200 = 325 detectable pulso (maximum) Signeds conigfrom 384 wires: 325 x 384 signed = 124800 : bit resolution of out put signed must be able of 17 bits (16.92)