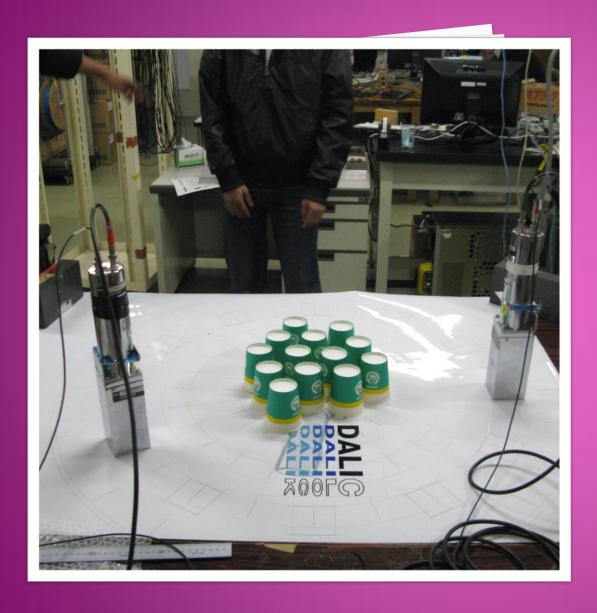
PET EMULATOR

Ya Meilin 2010.10.15

PRINCIPLE



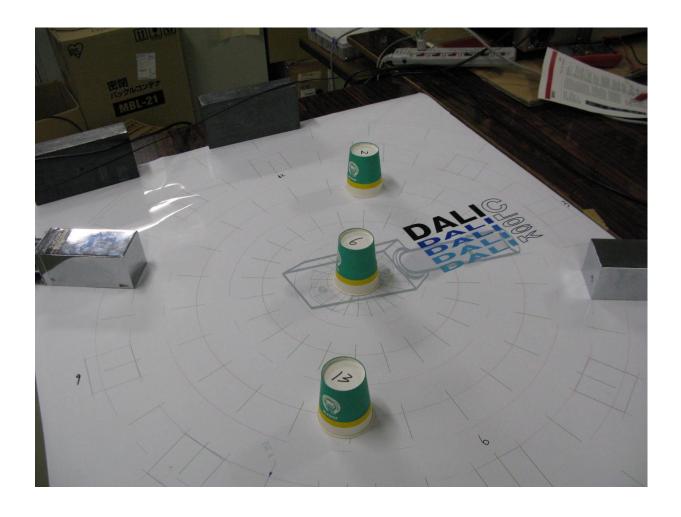
Source: ²²NaBeta decay



Source is in one of these cups



Two detectors lie on a line and rotate clockwise along the circle



The source is on the line

INSTRUMENTS

Two Nal DetectorsTo detect the gamma rays



One OscilloscopeTo see the signal



Two TFAChange the shape of signal



One 8CH DiscriminatorChange the signal to logic signal



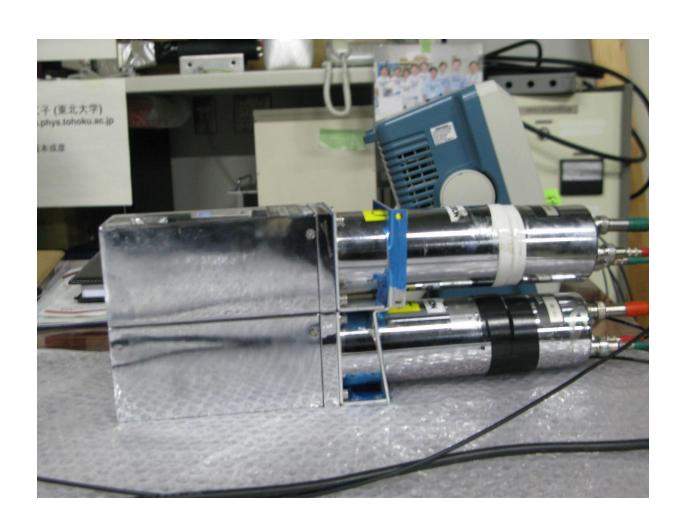
One 3CH Coincidence and HV supplier

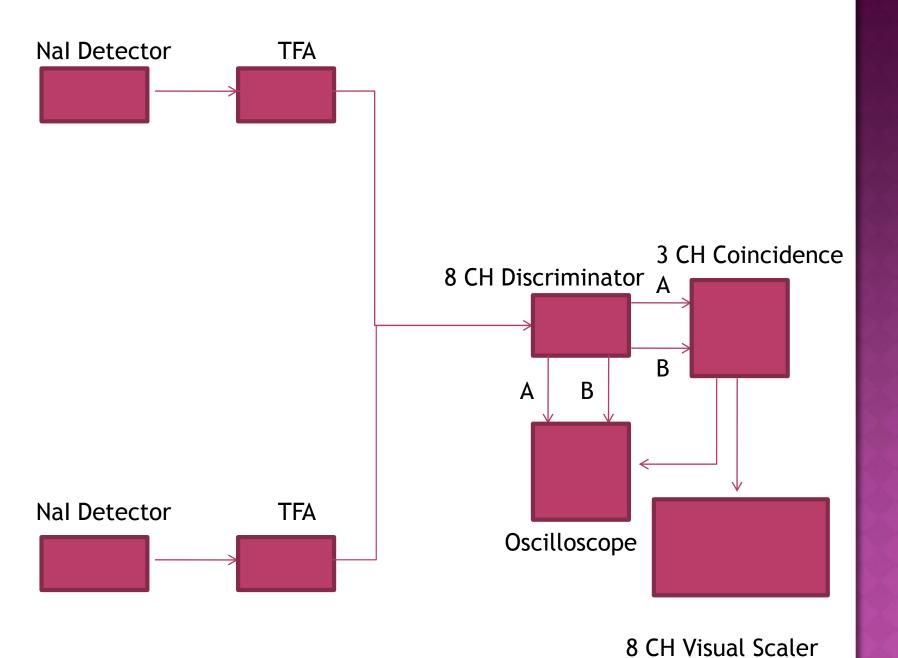


One 8CH Visual Scaler



THE TEST OF MUON





THANKS