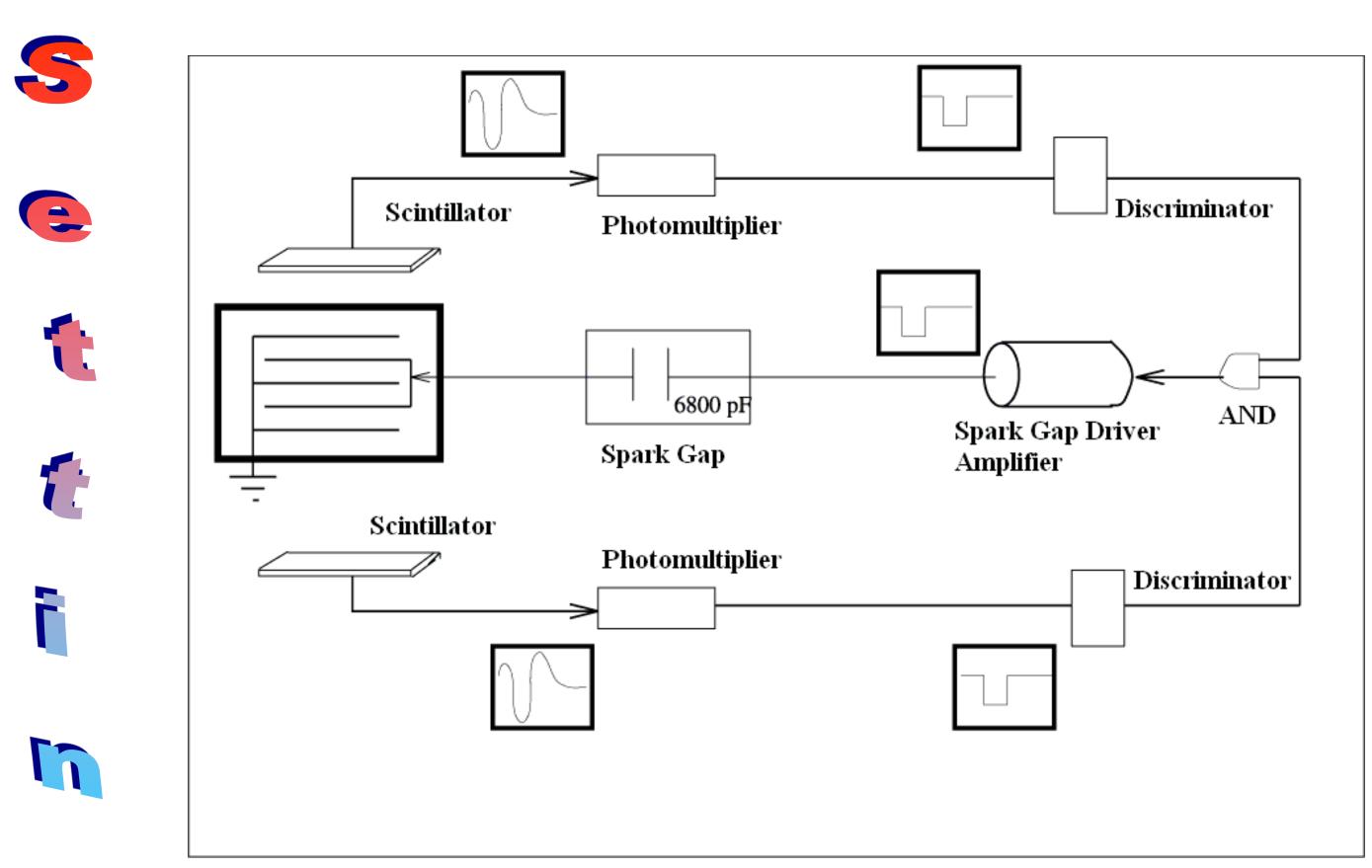
## Spark Chamber



Welcome to the Center for High Energy Physics.

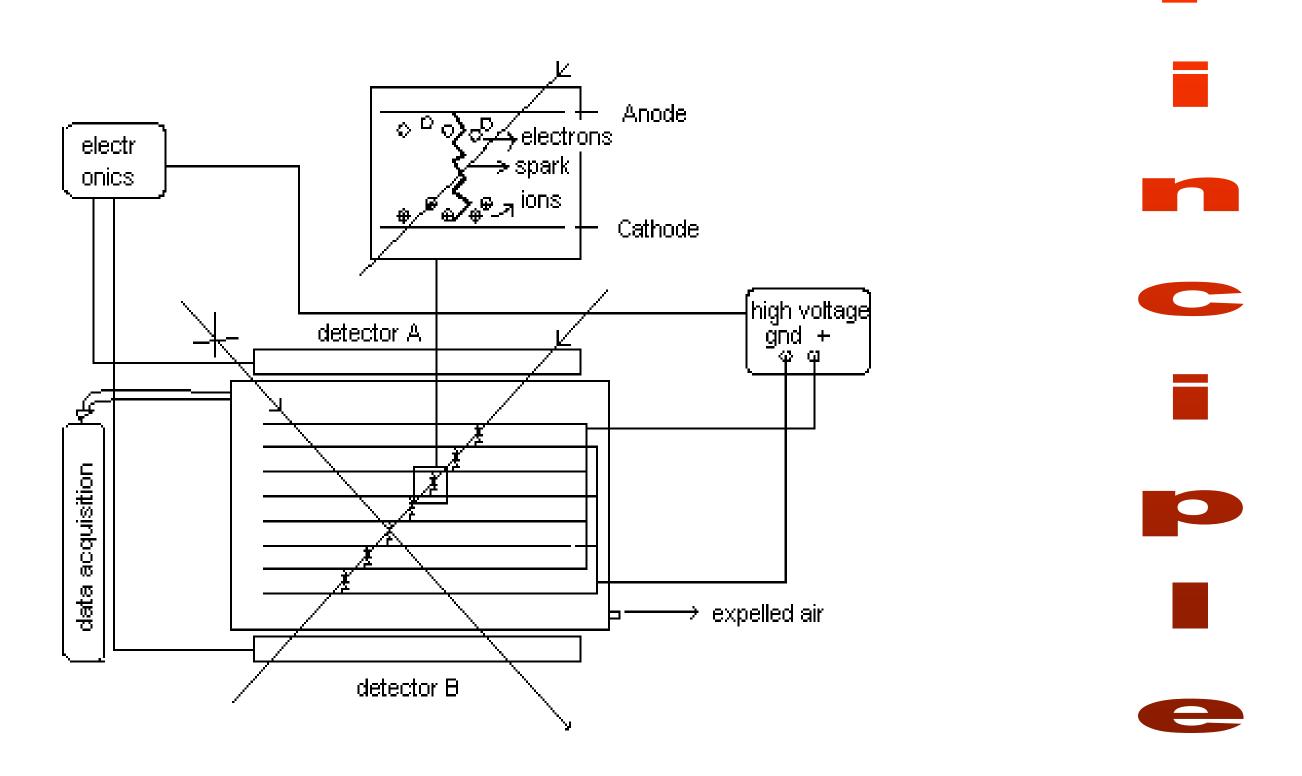
This experiment is designed to detect cosmic muons using an acoustic method.





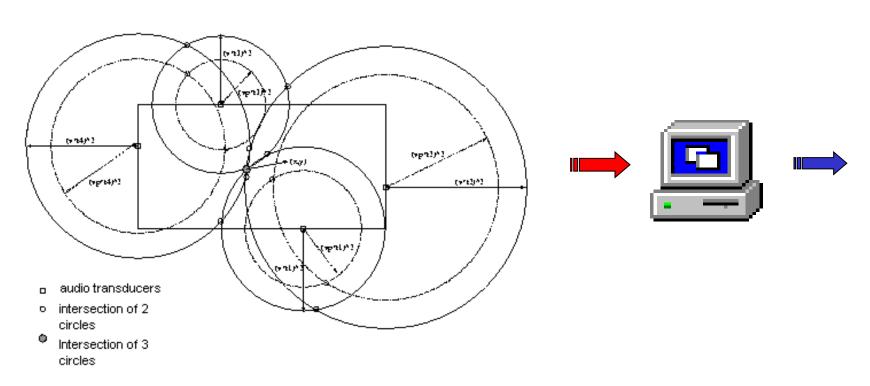
We use the coincidence between two scintillators to trigger the high voltage between the plates.

A particle travels through the chamber and ionizes the helium gas atoms. When high voltage is applied, a series of sparks appear along the trajectory.



## A LECONSTRUCT

## Arales Miles



The acoustic sensors detect the signal arrival times, hence the distances, but not the directions. The spark position is obtained through triangulation between the sensor informations.

