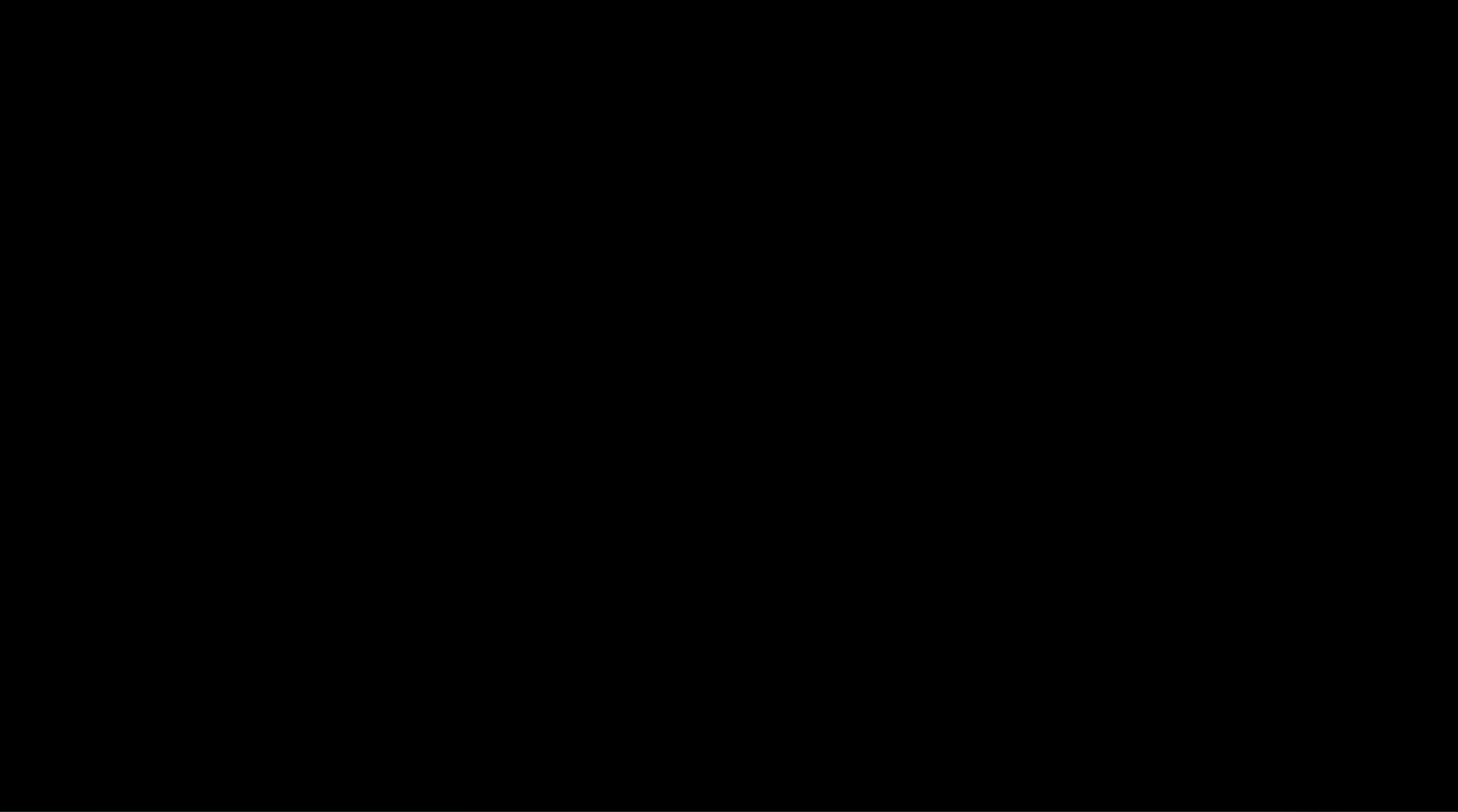


Team Particular Perspective







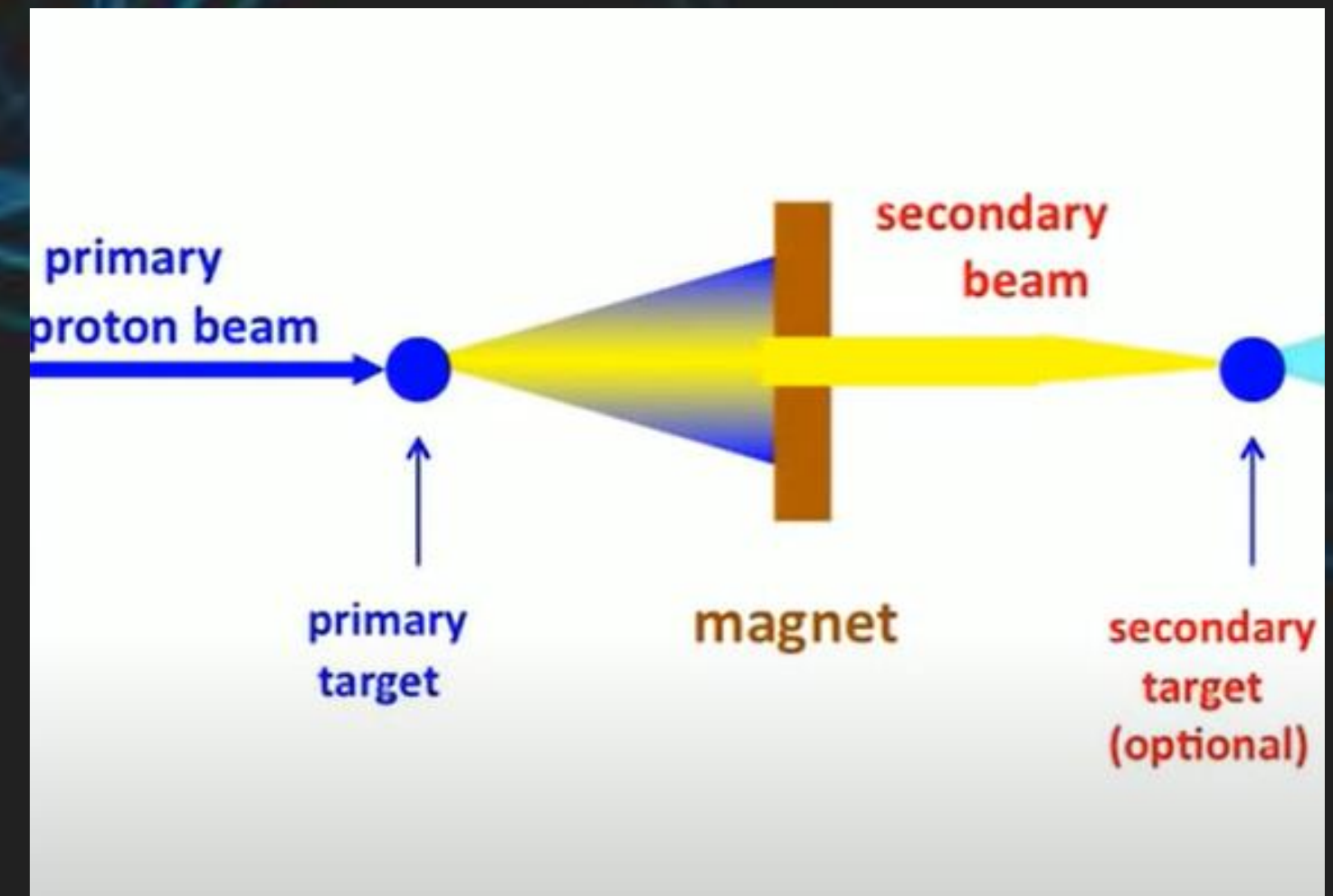
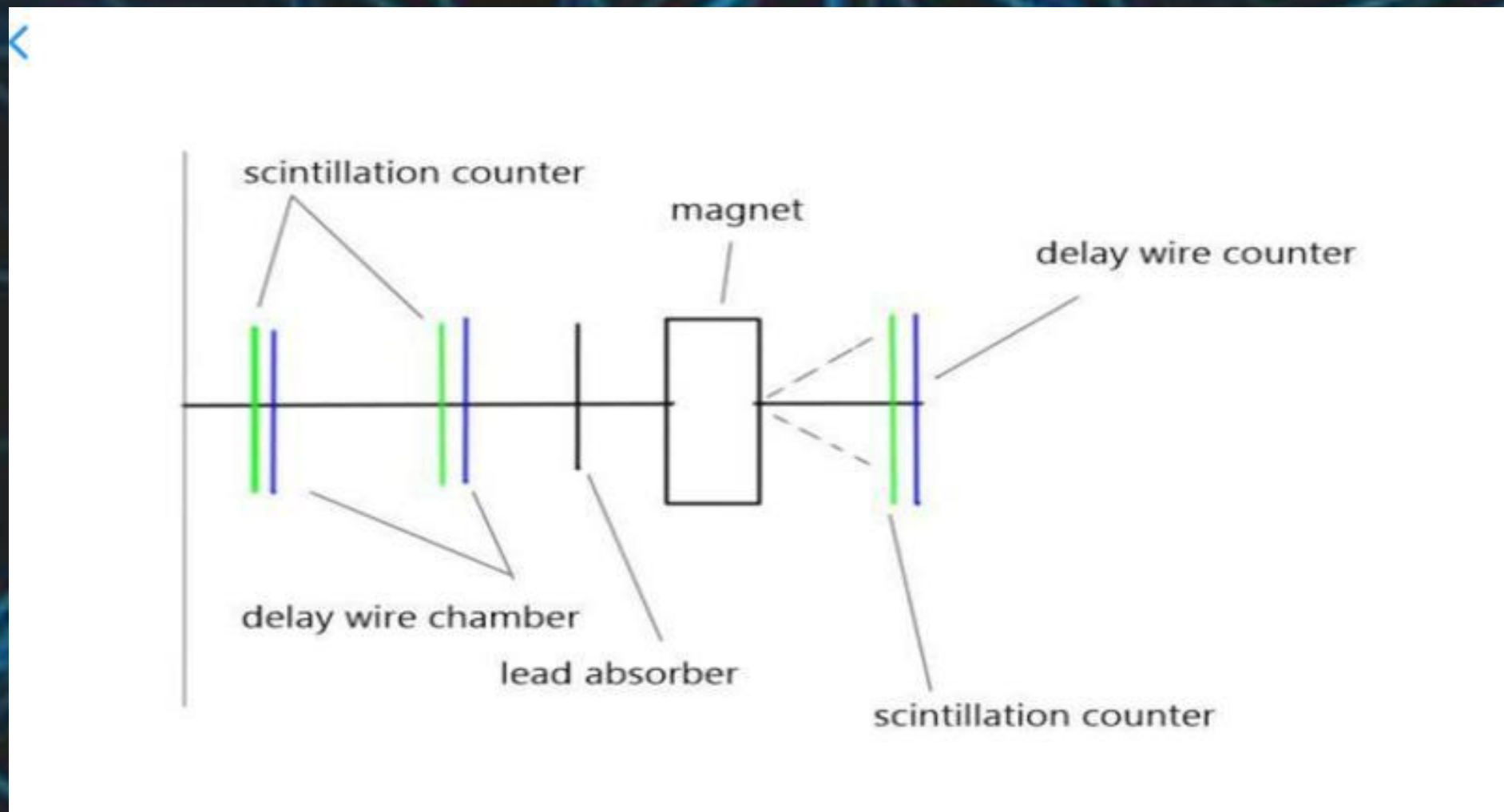
Aim and Experimental Proposal

- Execute our experimental proposal and partnering with teams from the US and Netherlands.
- Explore use of CERN's accelerators.
- Analyze particle composition at the T10 experimental area using a proton beam.
- Assess different particle counts using appropriate detectors and setups.
- We used the scintillation counters, cherenkov detectors, delay wired chambers, and electromagnetic calorimeter.
- We devised four experimental setups.



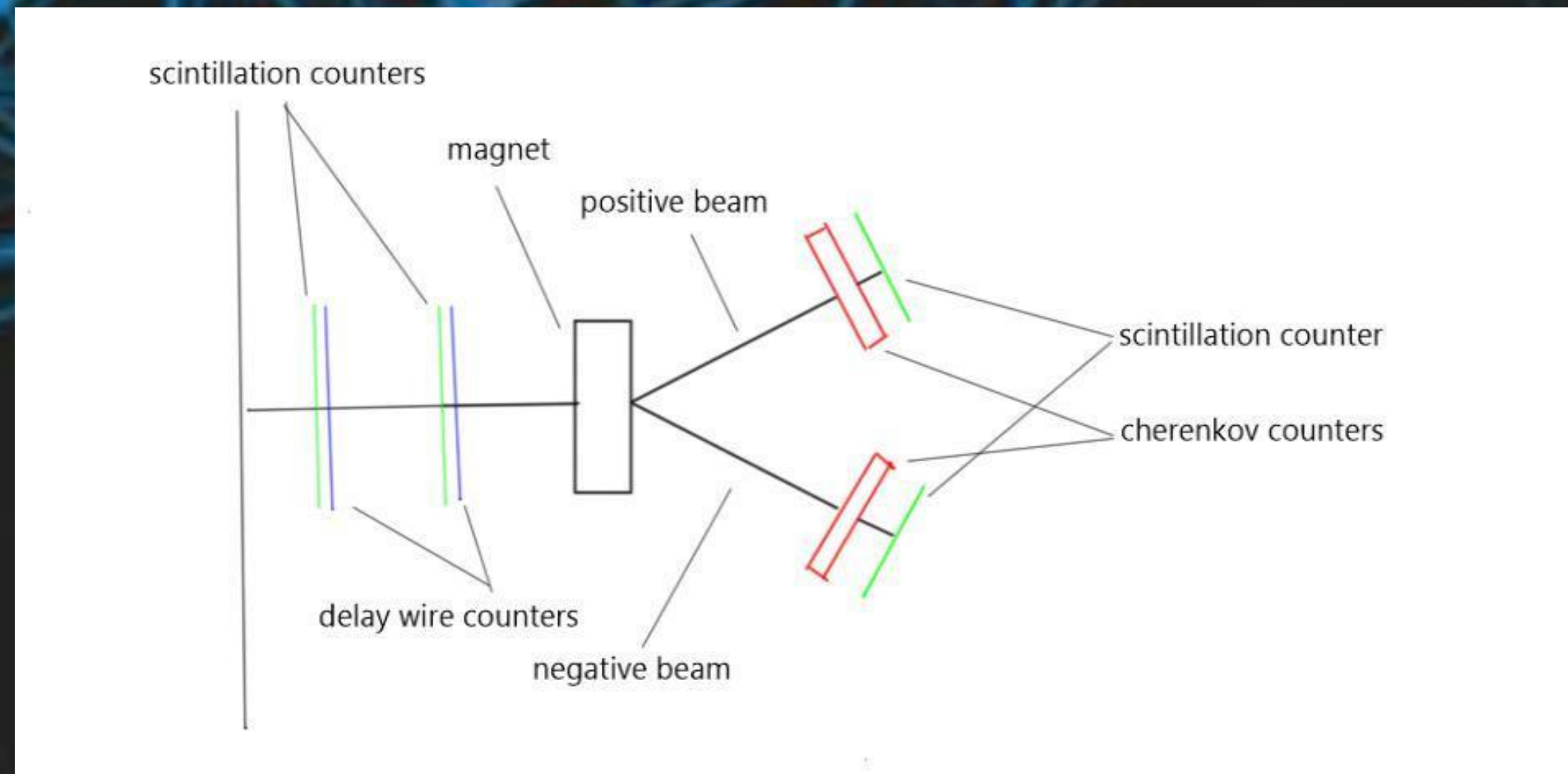
Experimental Setup 1

- In the first setup, we used the scintillation counters, delay wire chambers, lead absorber, and magnet
- This scintillation counters and delay wire chamber(DWC) will count the total number of particles



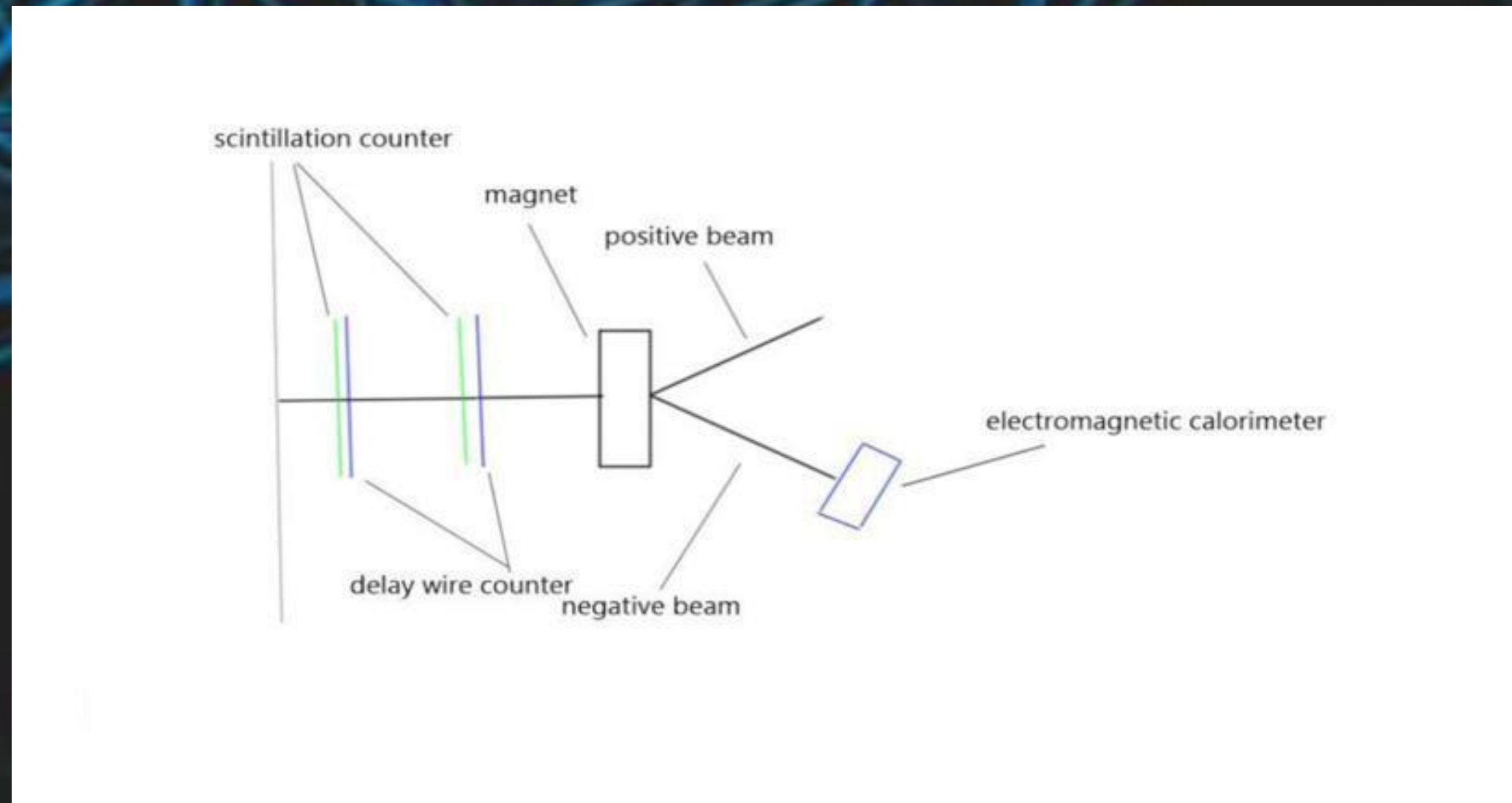
Experimental Setup 2

- In this setup, we select the positive charged beam that emerges.
- We use the cherenkov and scintillation counters to then count the positive charged particles which we expect to be proton, pions, and kaons.
- We do the same for the other secondary beam to count for the negatively charged particles.



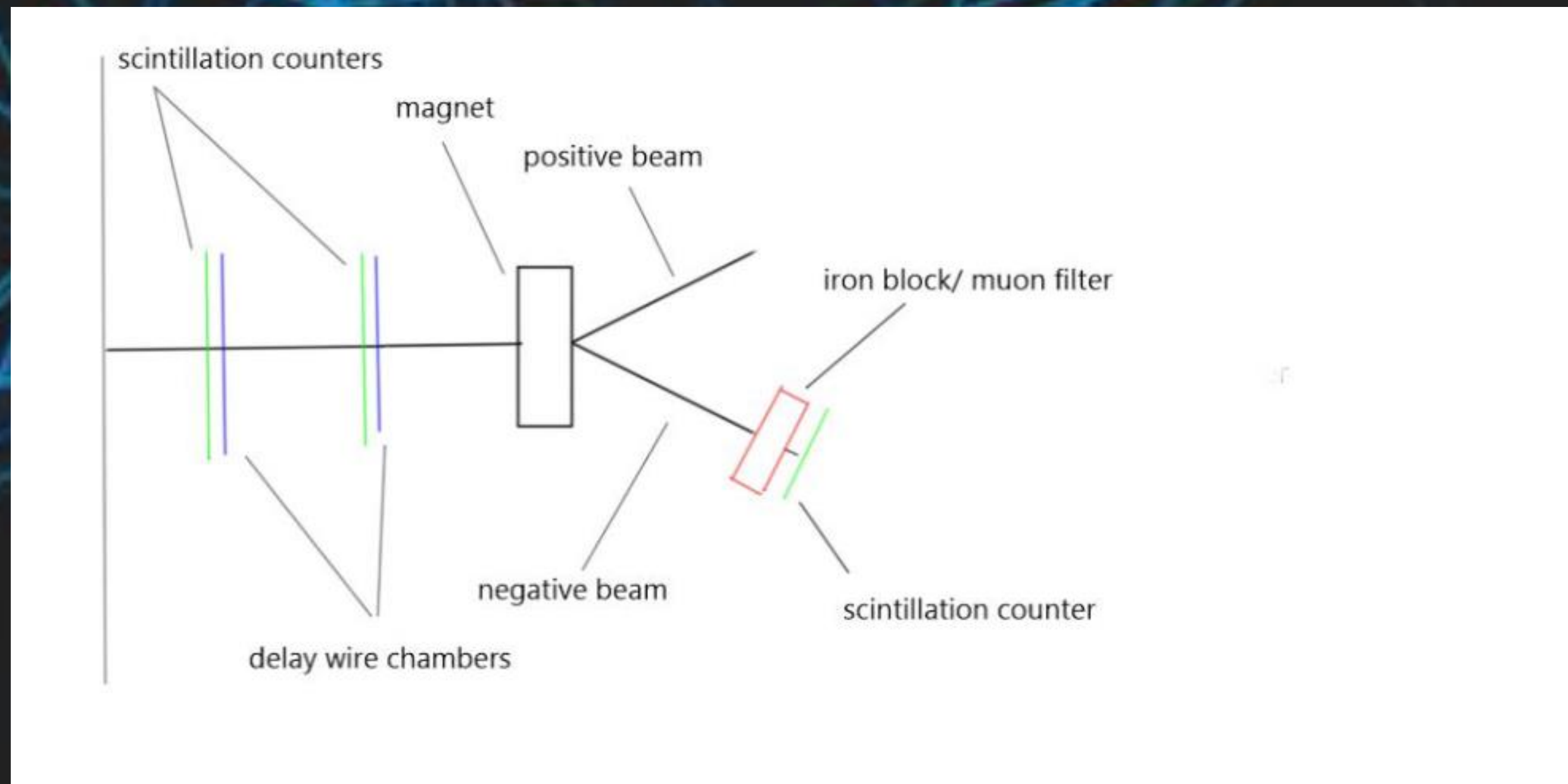
Experimental Setup 3

- In the third setup, we use an electromagnetic calorimeter for the negative beam
- We calculate the energy of the electrons
- We use the momentum of the electrons and total energy of the electrons to find the redundant count of electrons.



Experimental Setup 4

- In the last setup, we add an iron block to act as a muon filter and obtain a count for the muons.





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