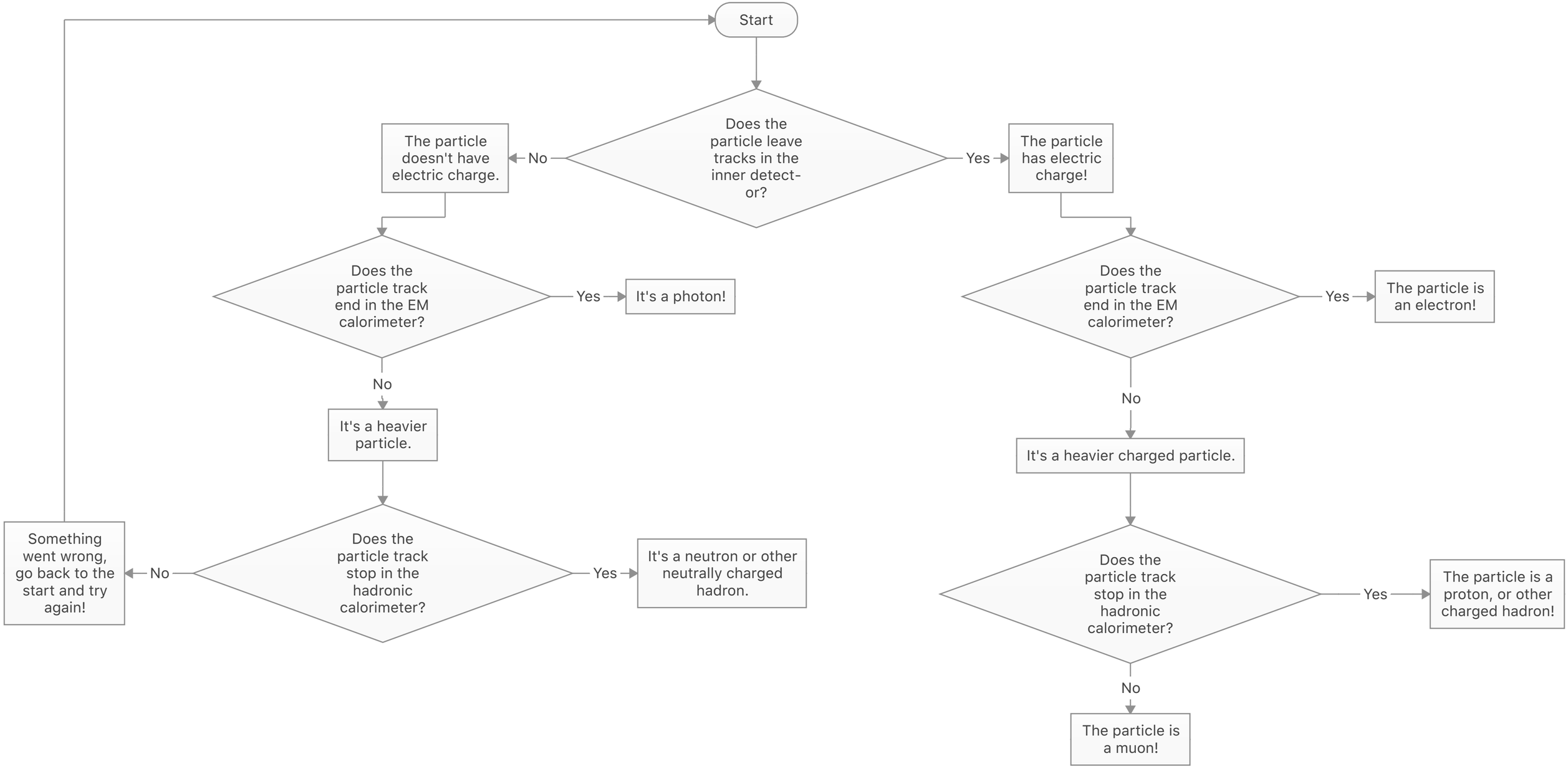
Start
Does the particle leave tracks in the inner detect-or?
No
The particle doesn't have electric charge.
Yes
The particle has electric charge!
Does the particle track end in the EM calorimeter?
Yes
It's a photon!
No
It's a heavier particle.
Does the particle track stop in the hadronic calorimeter?
No
Something went wrong, go back to the start and try again!
Yes
It's a neutron or other neutrally charged hadron.
Does the particle track end in the EM calorimeter?
Yes
The particle is an electron!
No
It's a heavier charged particle.
Does the particle track stop in the hadronic calorimeter?
Yes
The particle is a proton, or other charged hadron!
No
The particle is a muon!