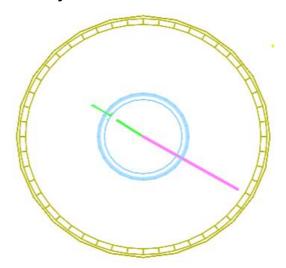
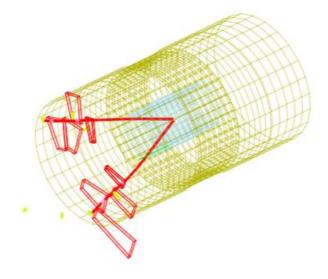


W and Z boson candidates

W decay to electron and neutrino:

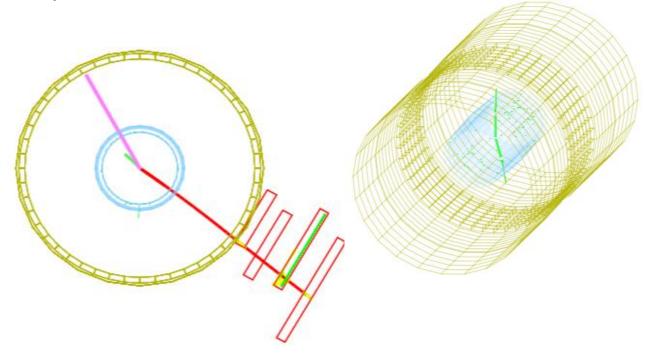


Z decay to muon and anti-muon:



W decay to muon and neutrino:





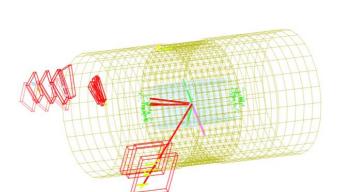
Notes on decays:

- W decays have missing E_t (usually>20 GeV) and one visible lepton track.
- Z decays can show some missing E_t (usually<20GeV) or none and have 2 visible lepton tracks.
- Both W and Z decays can have "extra" tracks which confound quick analysis – but a "good guess" can sometimes be made.

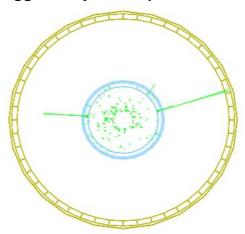


Higgs boson candidates

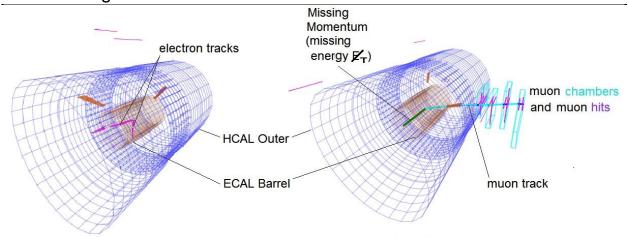
Higgs decay to two Z bosons:



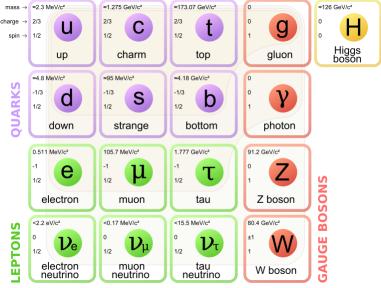
Higgs decay to two photons:



Useful background on WZH Masterclass events



Elements of events from iSpy-online (false colors)



Particles in the standard model