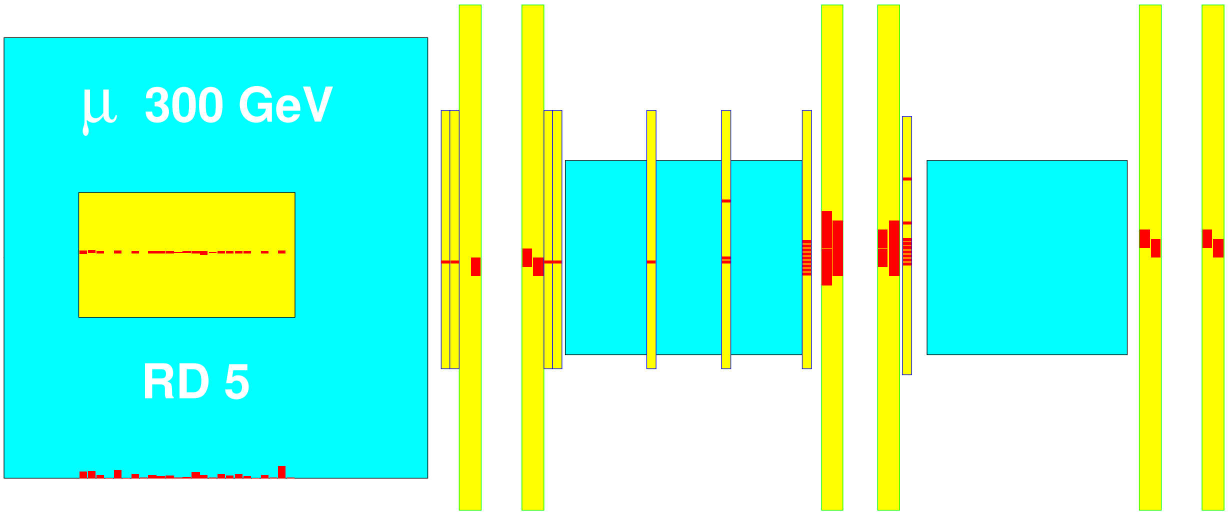
Muon Induced Secondaries



Realistic simulation requires simulation of bremsstrahlung and direct pair production down to 1 MeV and δ–rays even lower, which is extremaly time consuming.

Possible solution for electrons is to apply cuts dependent on the distance to a chamber, e.g.:

100 keV	last 1 mm of Al (chamber wall)
1 MeV	last 5 mm of iron
10 MeV	5 – 50 mm of iron
100 MeV	anywhere else

Photons need more care because they do not lose energy.

Laszlo Urban from GEANT Team works on the problem.