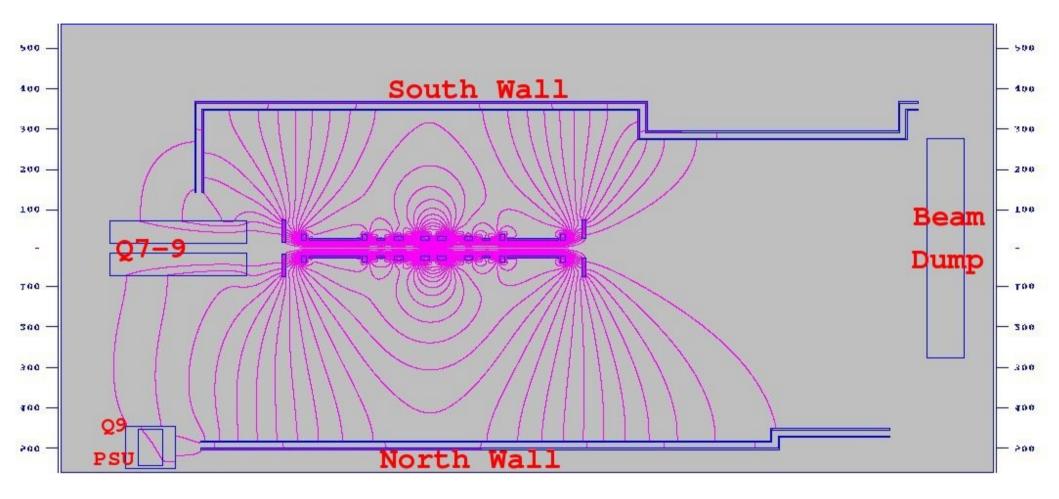


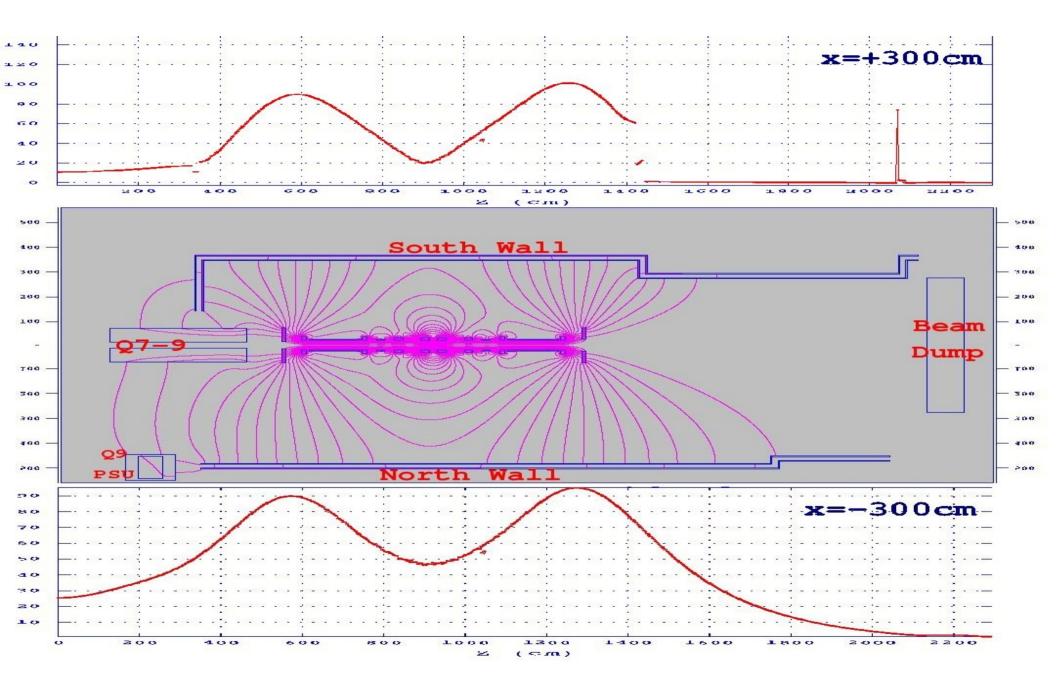


Can 2D modelling help the 3D effort?

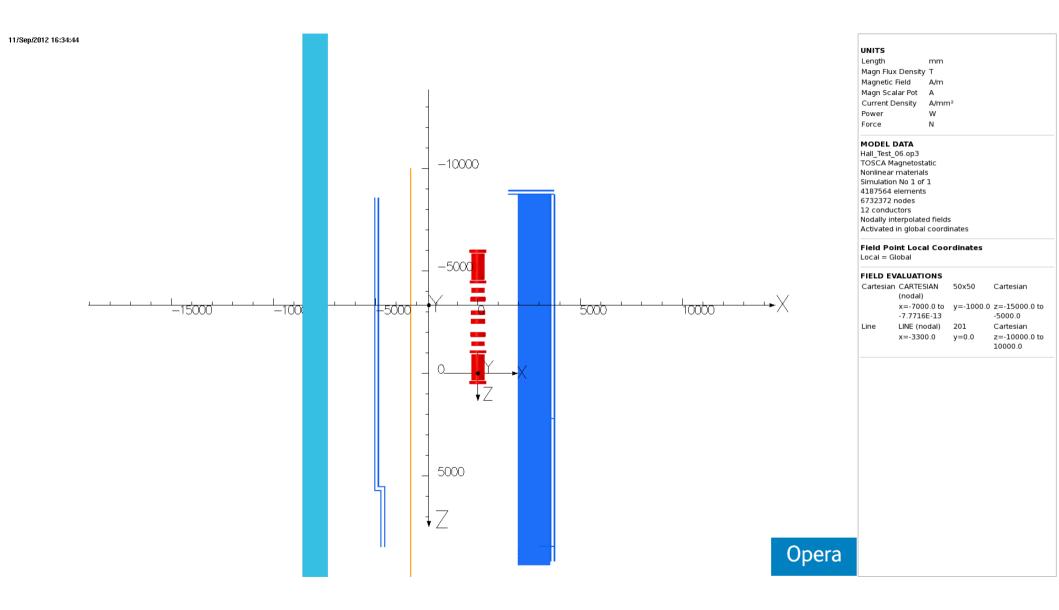


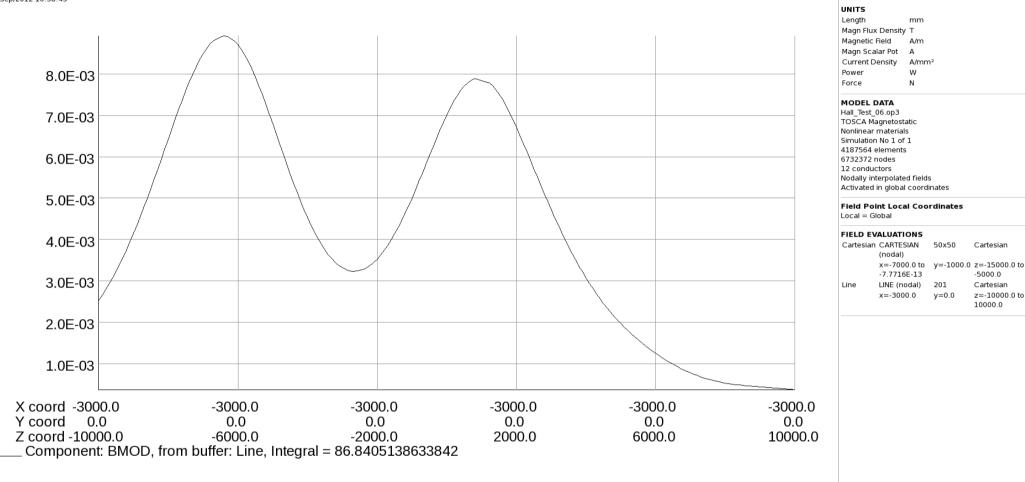






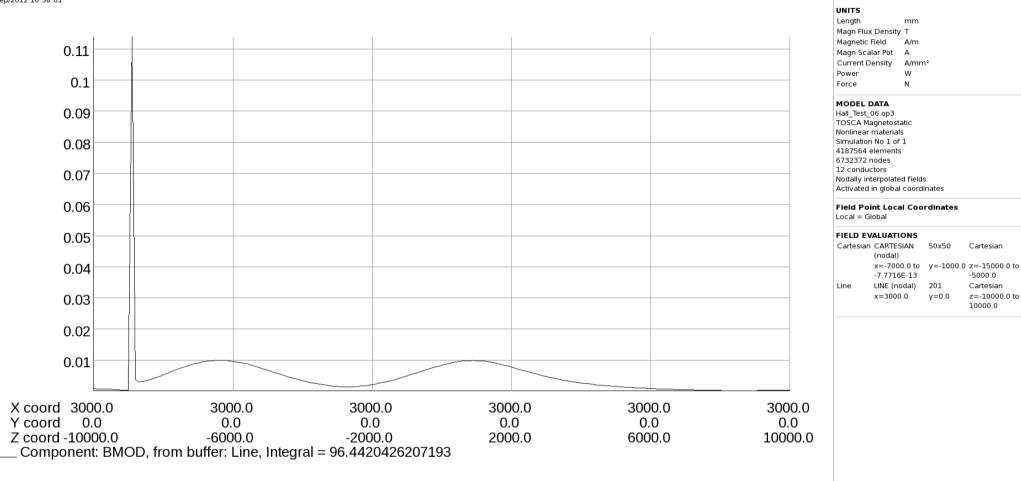
Step IV layout – p=240MeV/c base 3D model





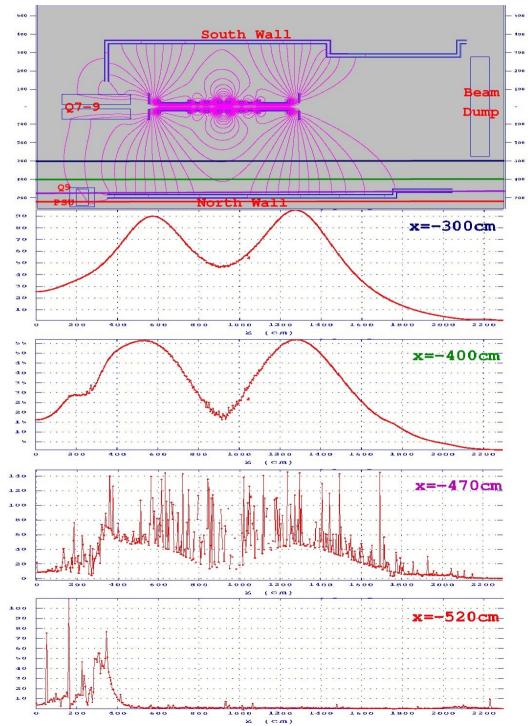
Opera

2D has ~45G vs 3D ~33G at FC center in Z: •errors in currents (2D) •different objects in simulation •but NOT wildly different

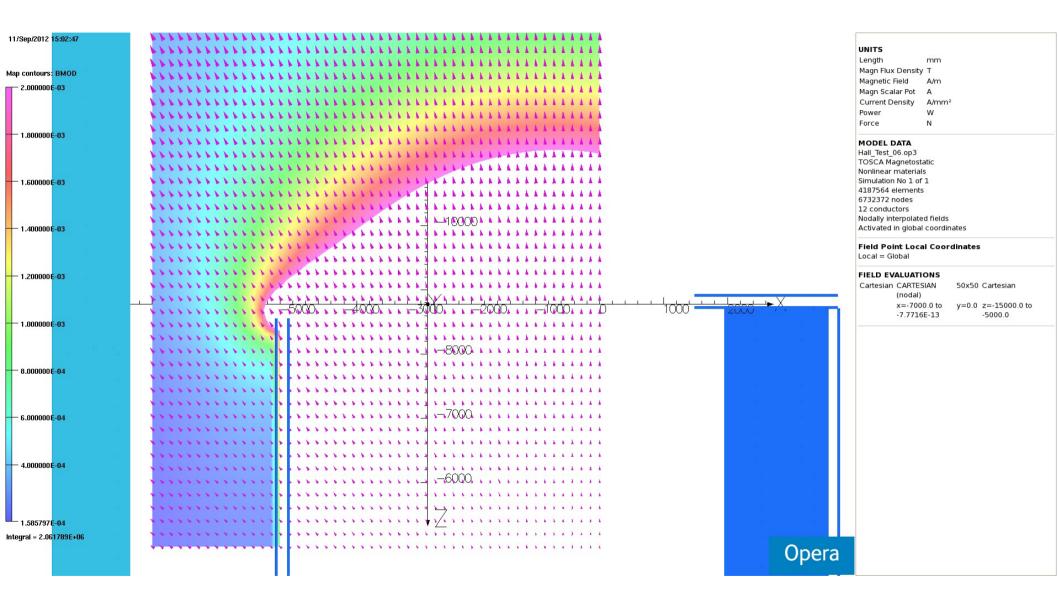


Opera

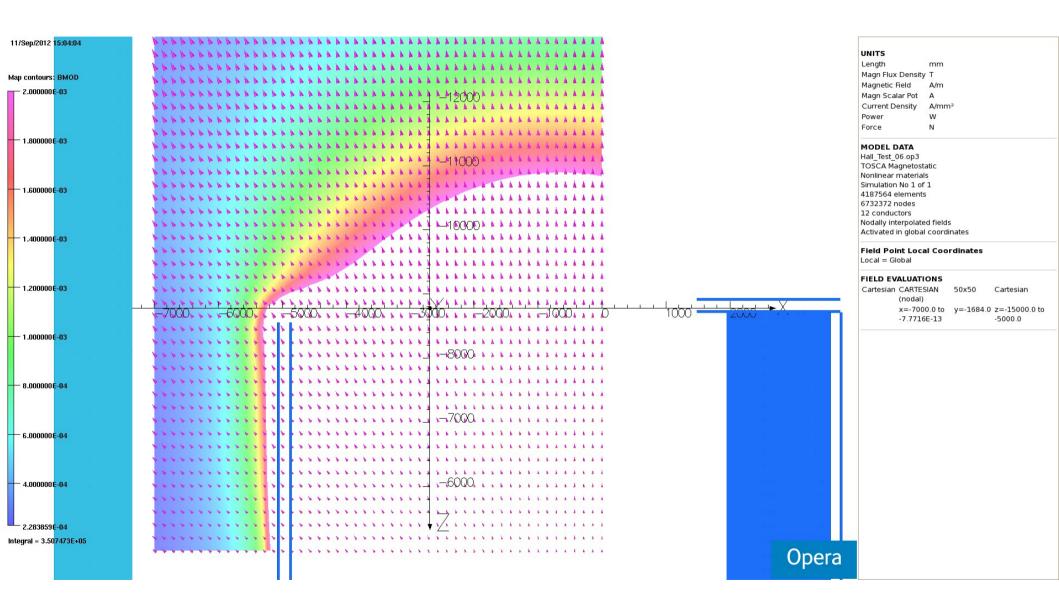
Not ready yet!



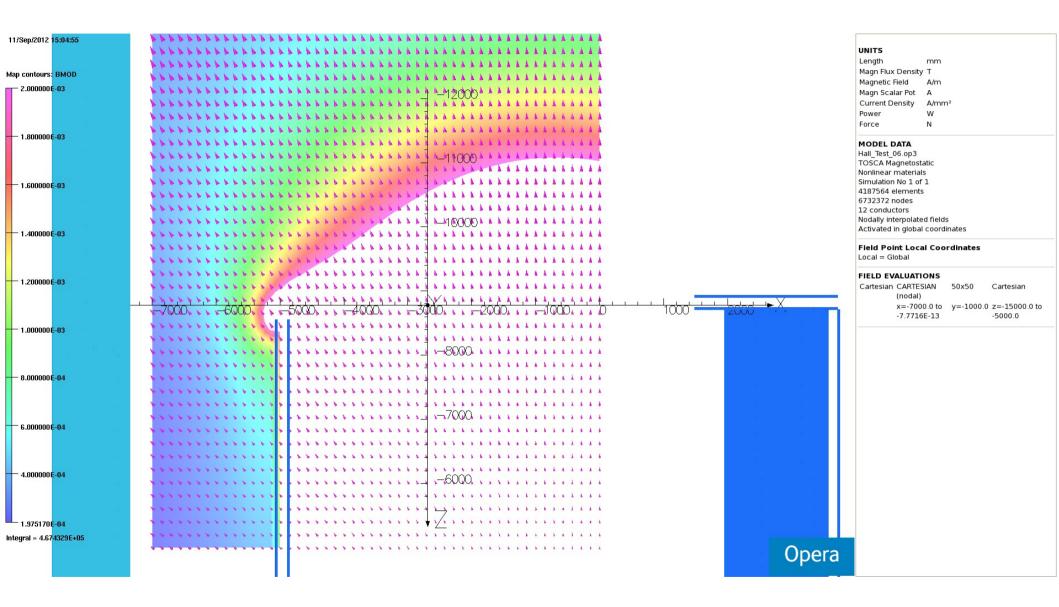
Step IV layout – 3D at different y: beam height

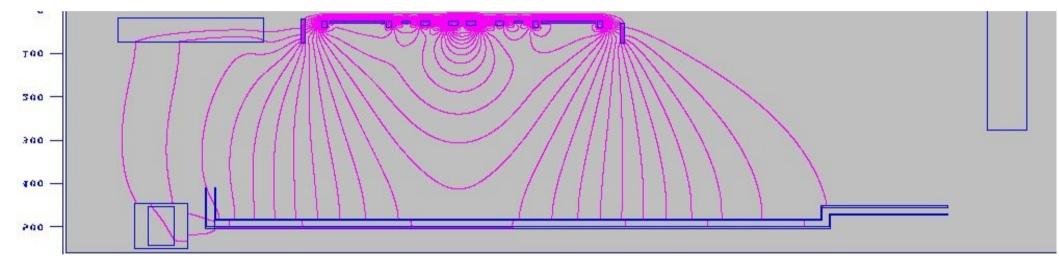


Step IV layout – 3D at different y: floor

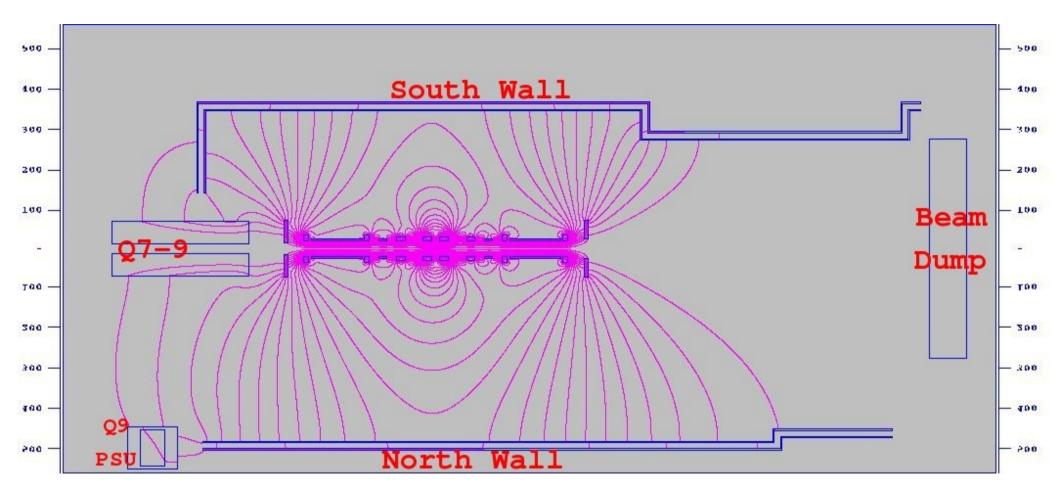


Step IV layout – 3D at different y: +1m





Mike was correct, the N wall extension won't work.



Notes:

little to no field at substation
little to no field at HV rack

