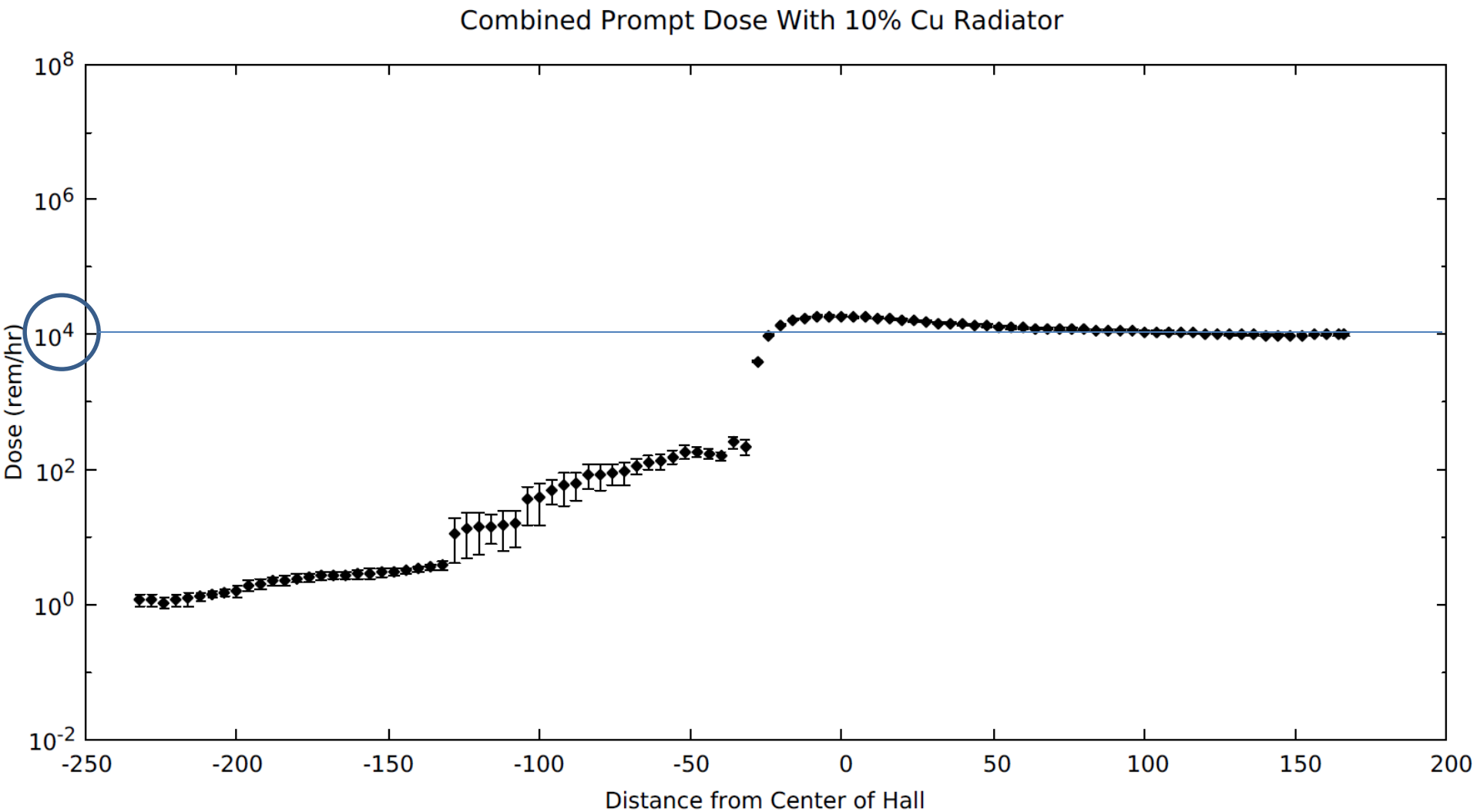
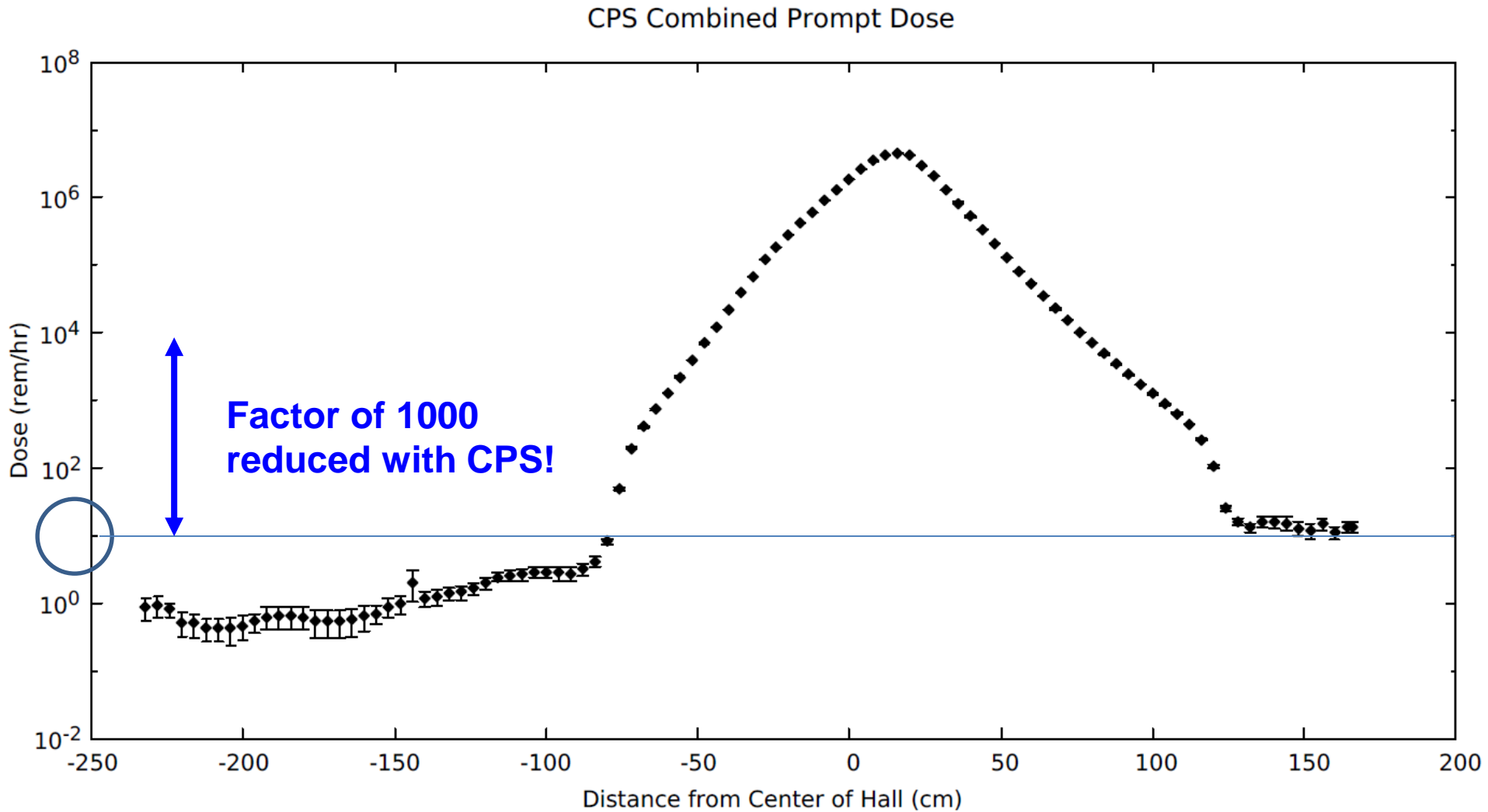


Prompt dose: 11 GeV, 2.7 μ A, 10% Cu radiator

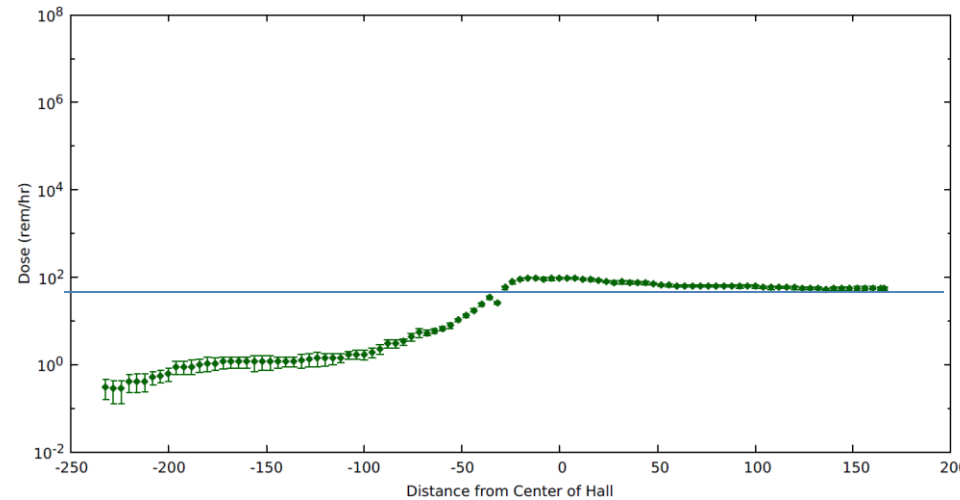


Prompt dose: 11 GeV, 2.7 μ A, 10% Cu radiator **with CPS**

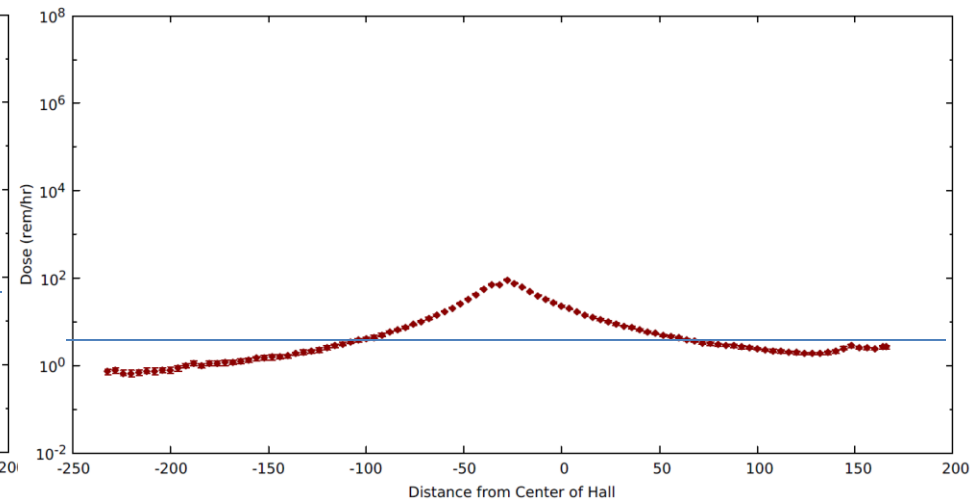


Prompt dose: 11 GeV, 2.7 μ A, 10% Cu radiator

Gamma Prompt Dose With 10% Cu Radiator

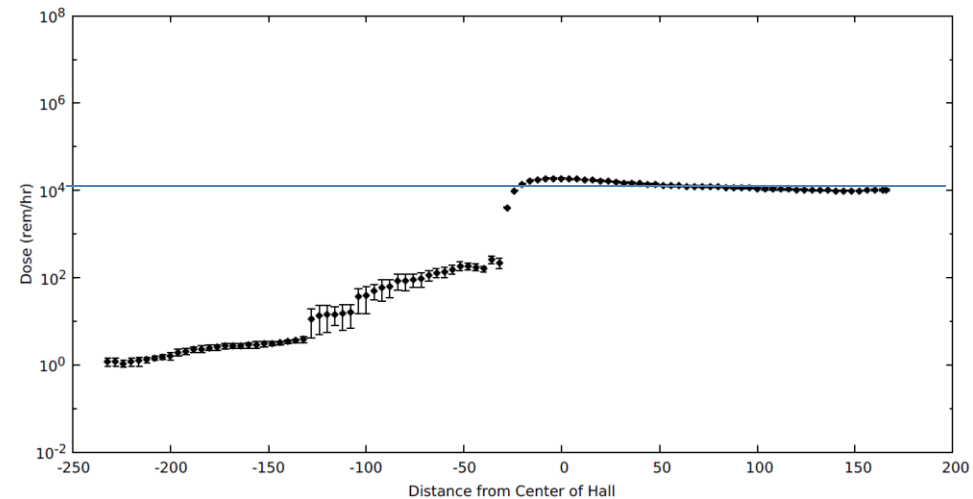


Neutron Prompt Dose With 10% Cu Radiator

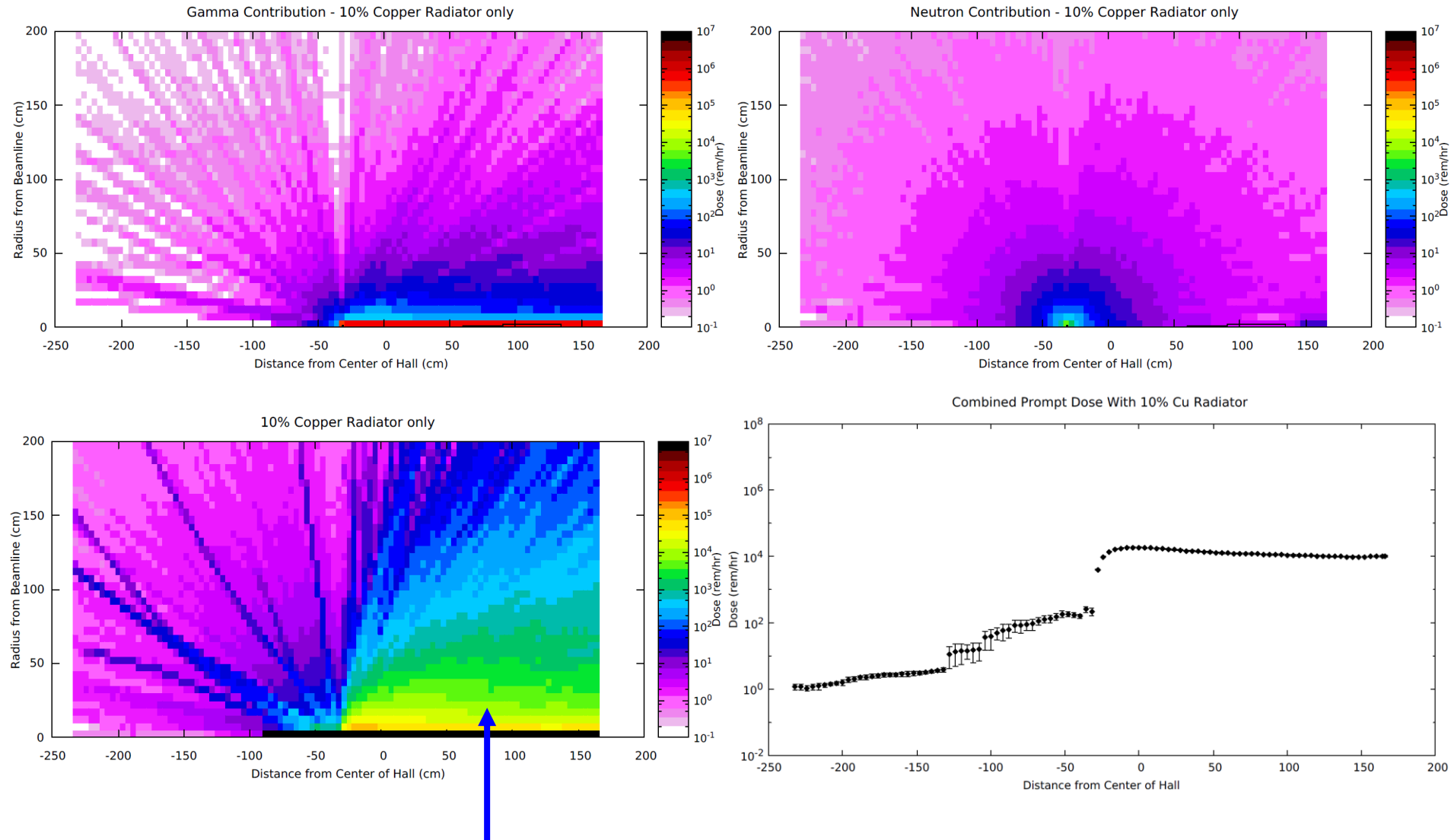


Gamma prompt dose +
Neutron prompt dose <<
Combined Prompt dose

Combined Prompt Dose With 10% Cu Radiator

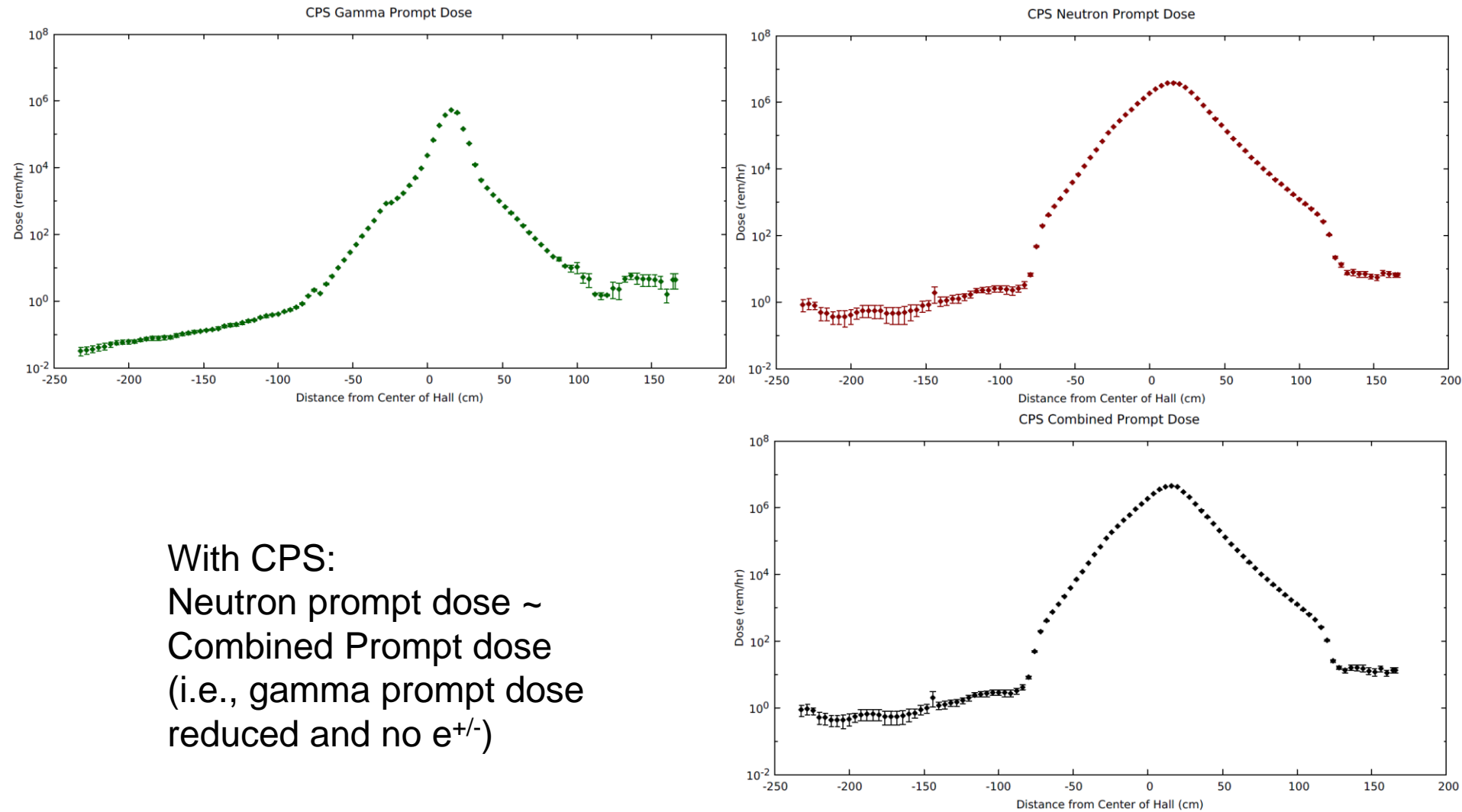


Prompt dose: 11 GeV, 2.7 μA , 10% Cu radiator



Contribution by e^{\pm}

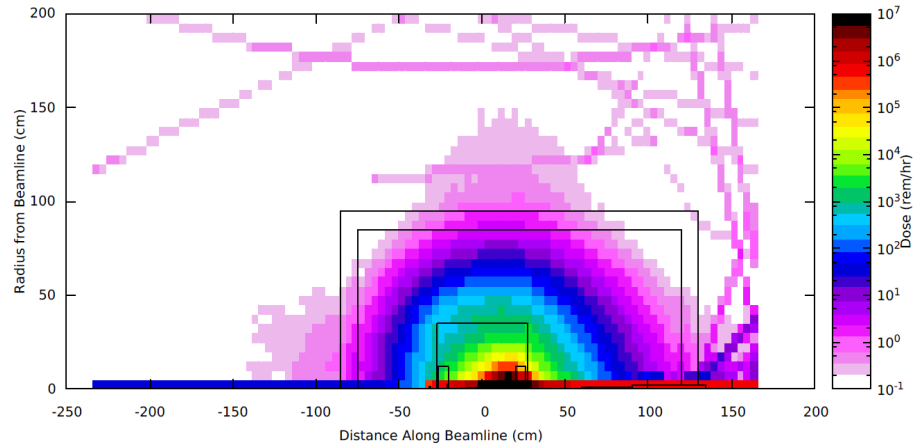
Prompt dose: 11 GeV, 2.7 μA , 10% Cu radiator **with CPS**



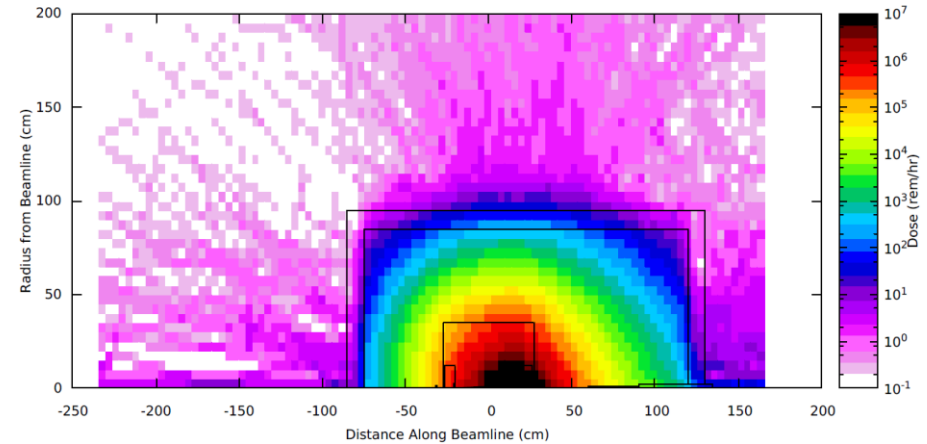
Prompt dose: 11 GeV, 2.7 μA , 10% Cu radiator **with CPS**

With CPS: Gamma prompt radiation confined

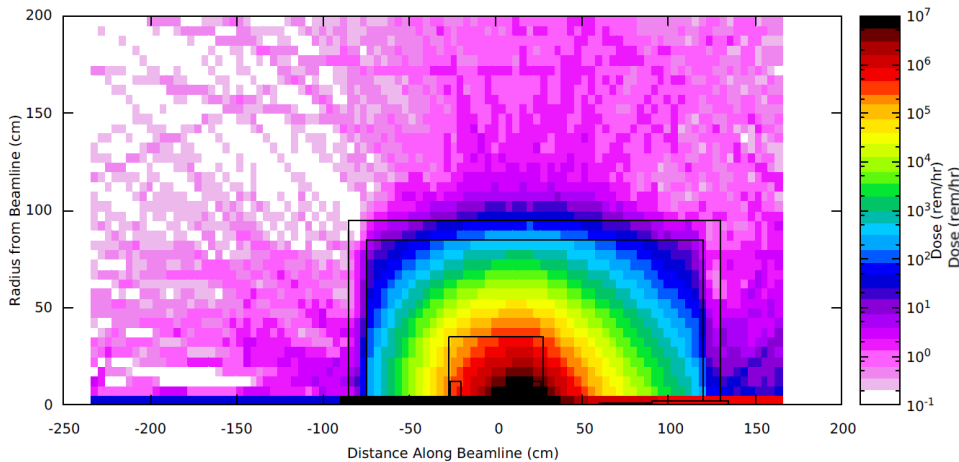
Gamma Contribution - CPS Prompt Dose With Extra Shielding



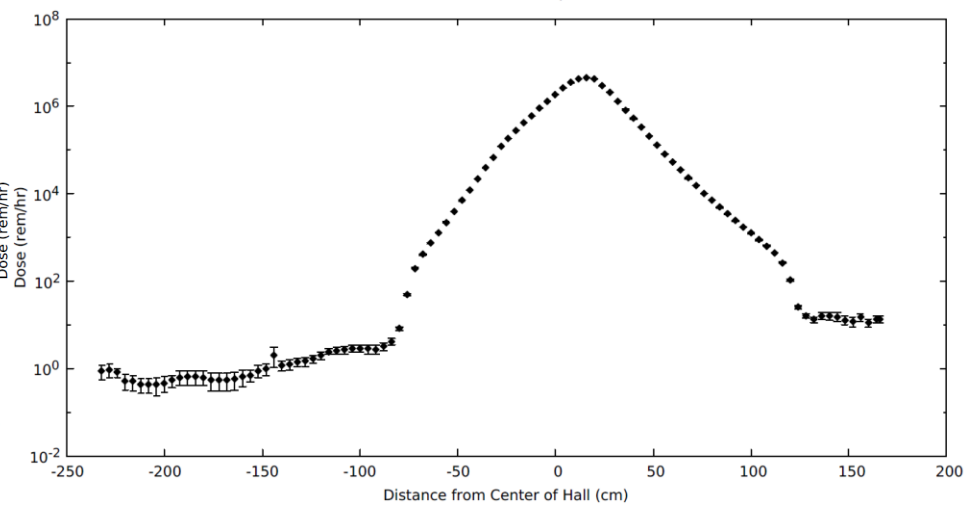
Neutron Contribution - CPS Prompt Dose With Extra Shielding



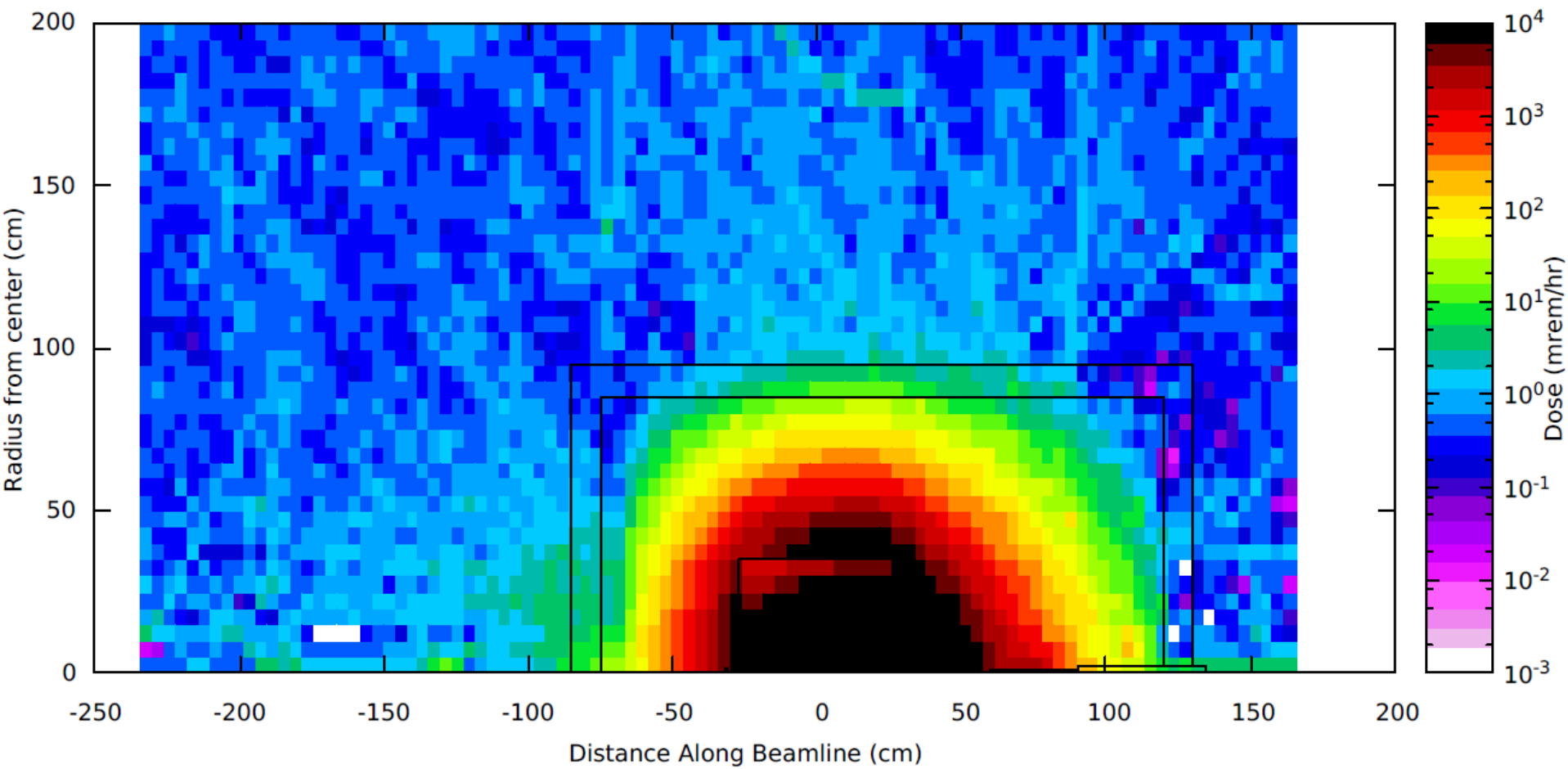
CPS Prompt Dose With Extra Shielding

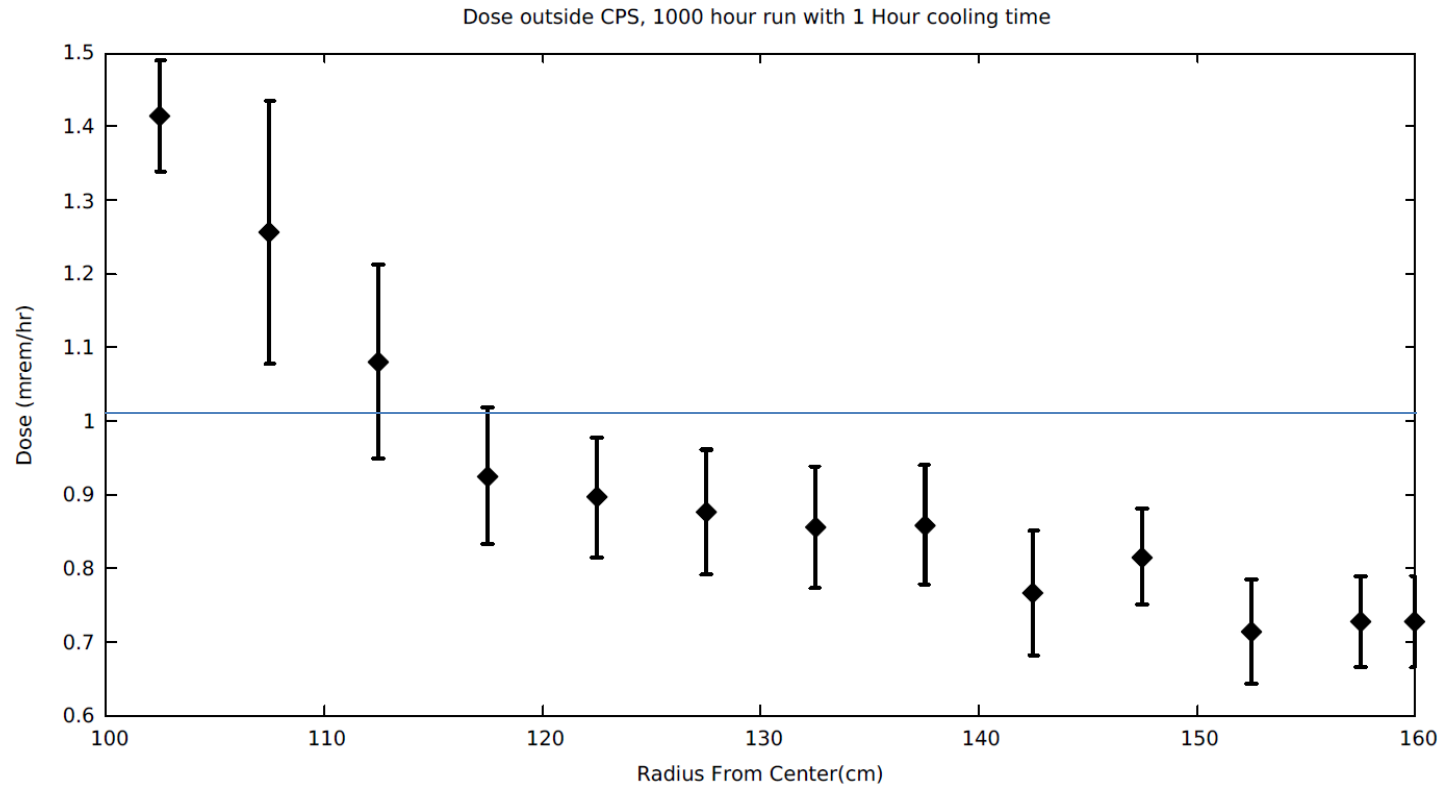


CPS Combined Prompt Dose



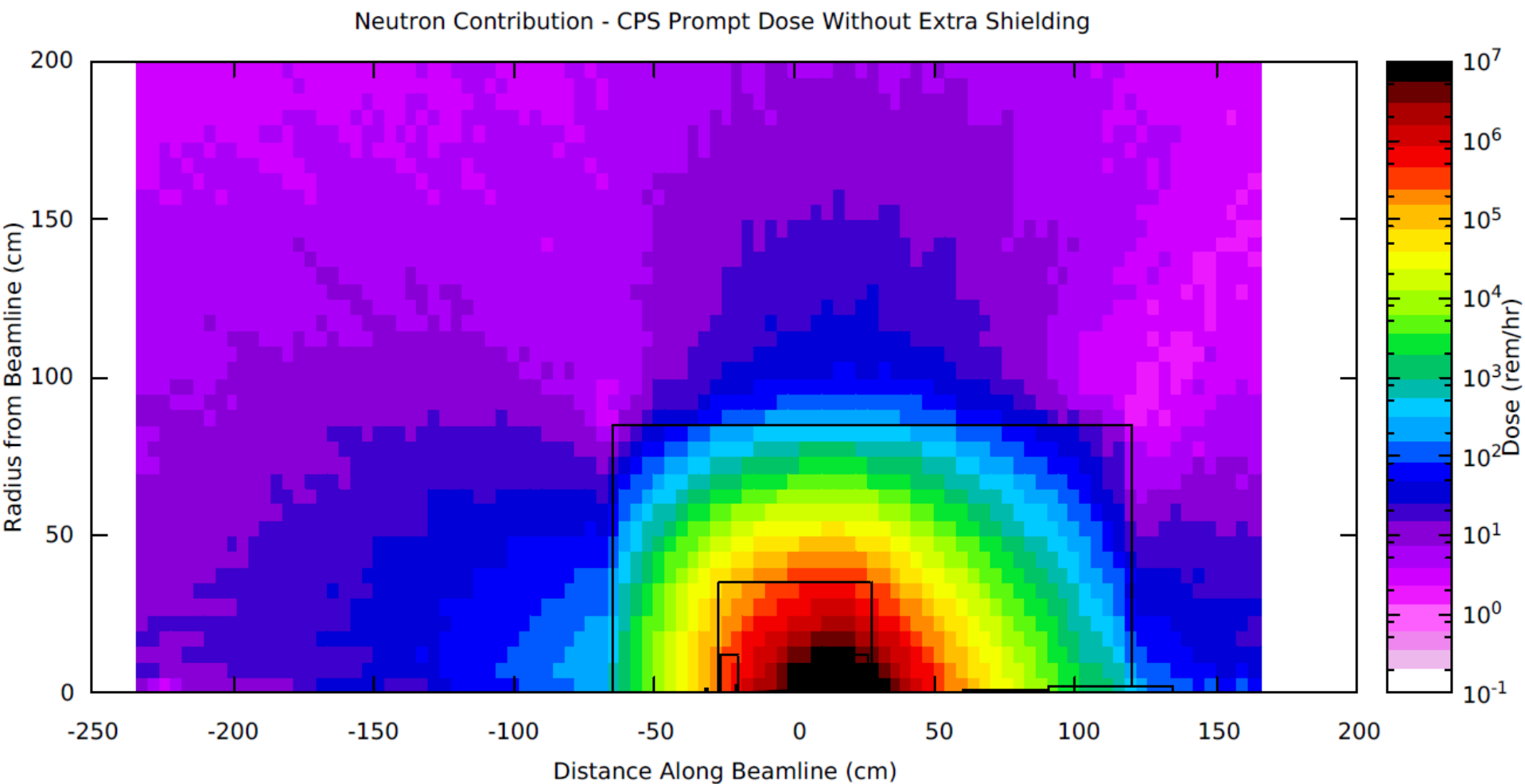
Dose outside CPS, 1000 hour run with 1 Hour cooling time



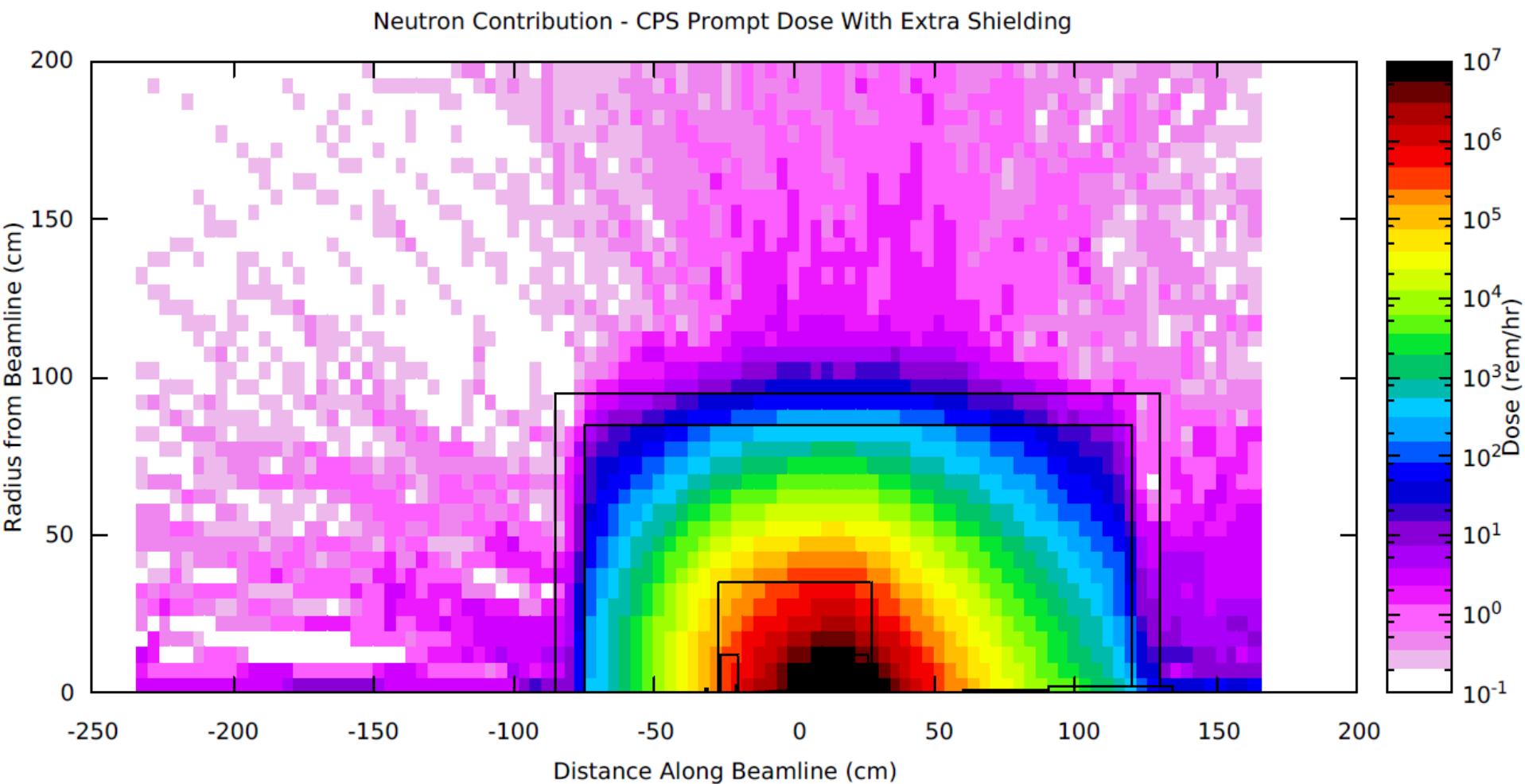


Dose outside CPS 1 hour after a 1000 hour run is < 1 mr/hr

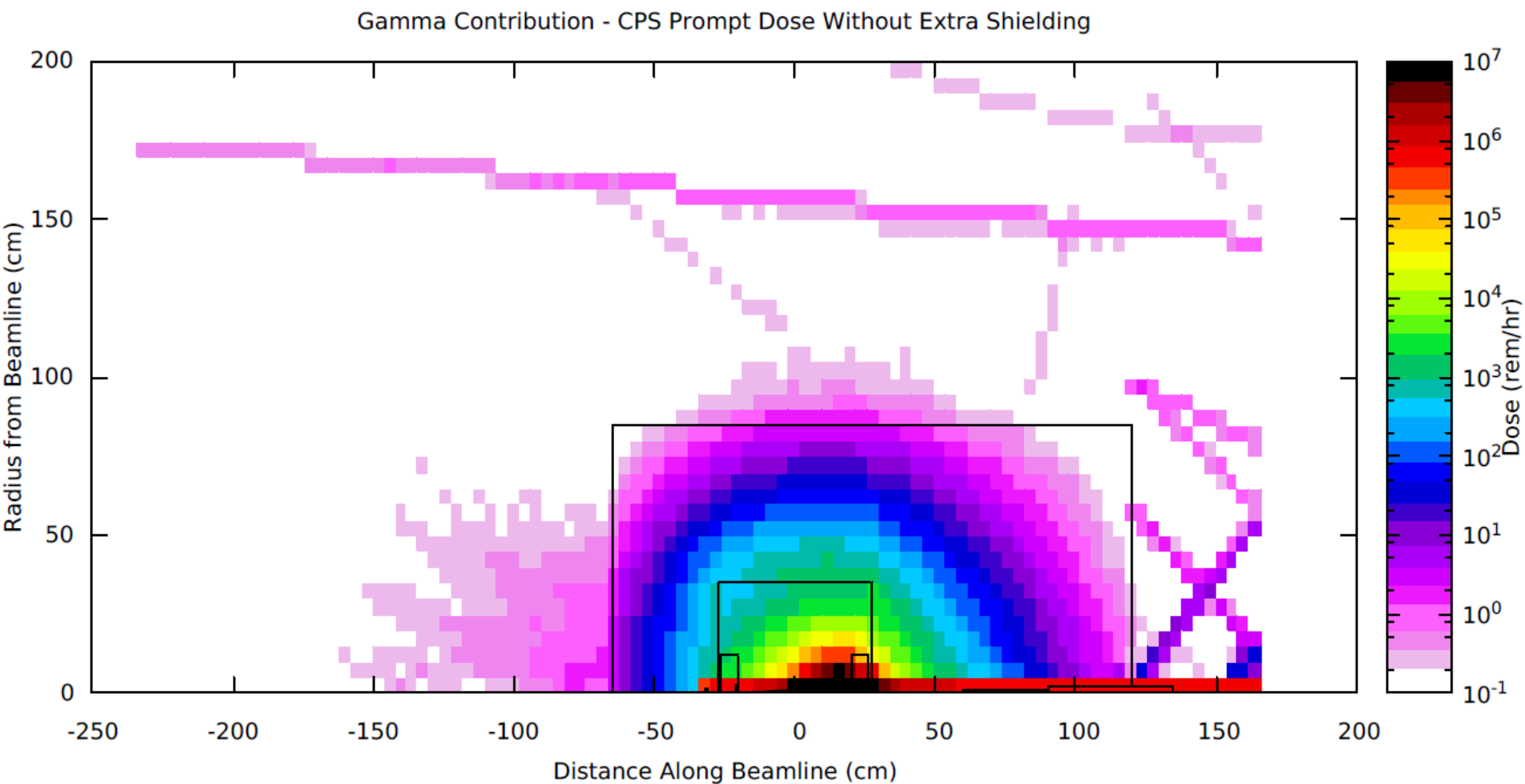
Neutron prompt dose with CPS without extra 10 cm W and 5% borated plastic



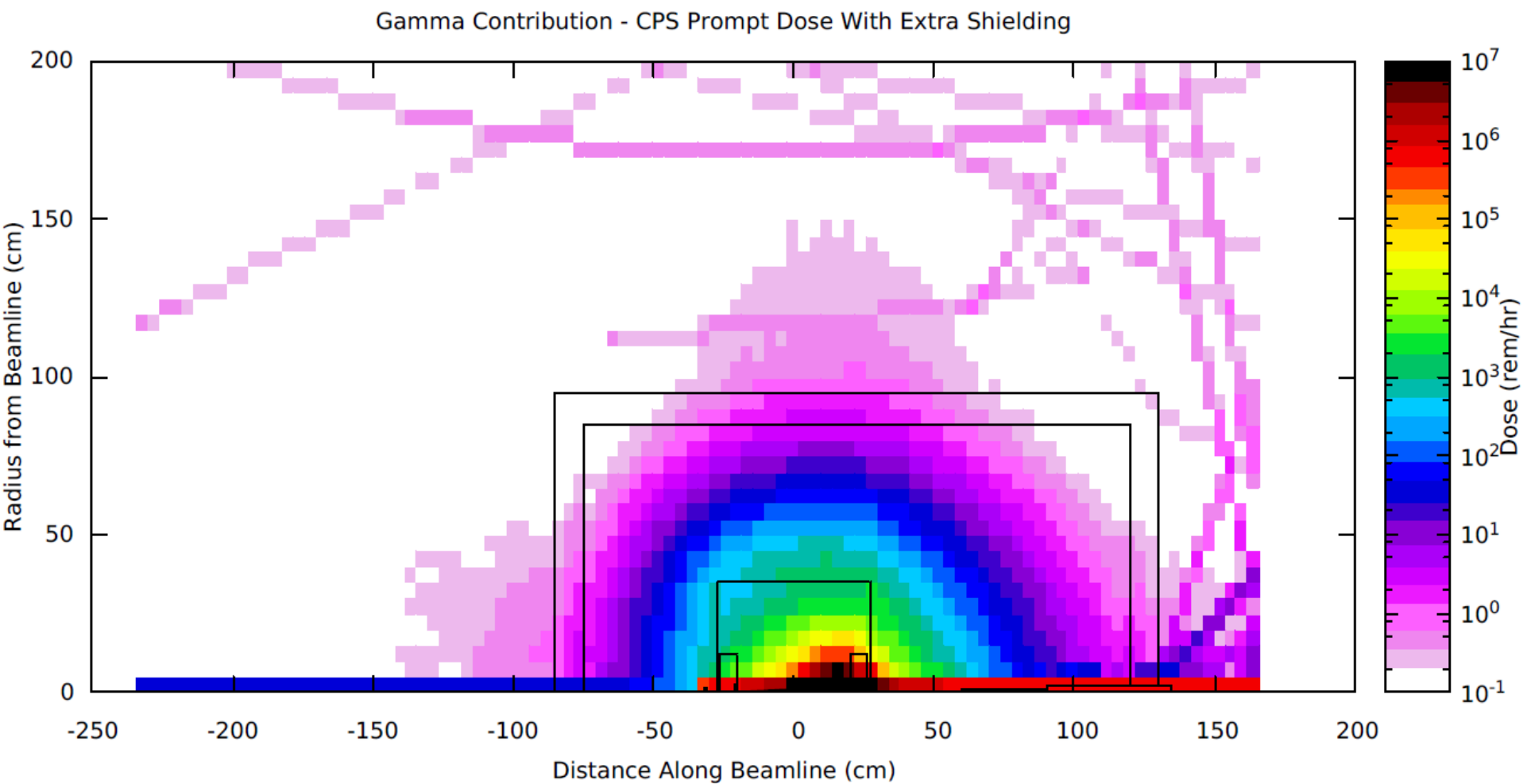
Neutron prompt dose with CPS **with** extra 10 cm W and 5% borated plastic



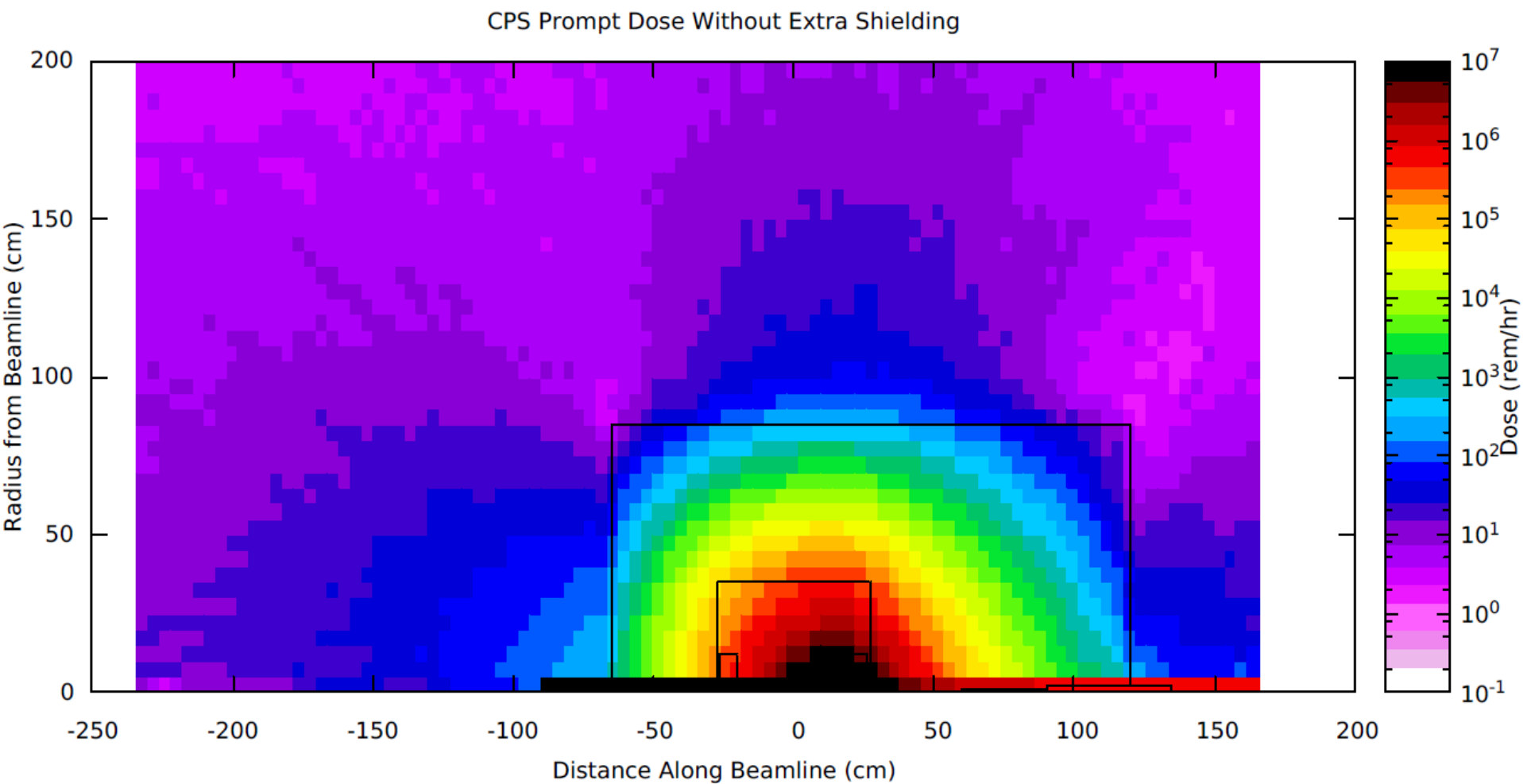
Gamma prompt dose with CPS without extra 10 cm W and 5% borated plastic



Gamma prompt dose with CPS **with** extra 10 cm W and 5% borated plastic



Combined prompt dose with CPS without extra 10 cm W and 5% borated plastic



Combined prompt dose with CPS **with** extra 10 cm W and 5% borated plastic

