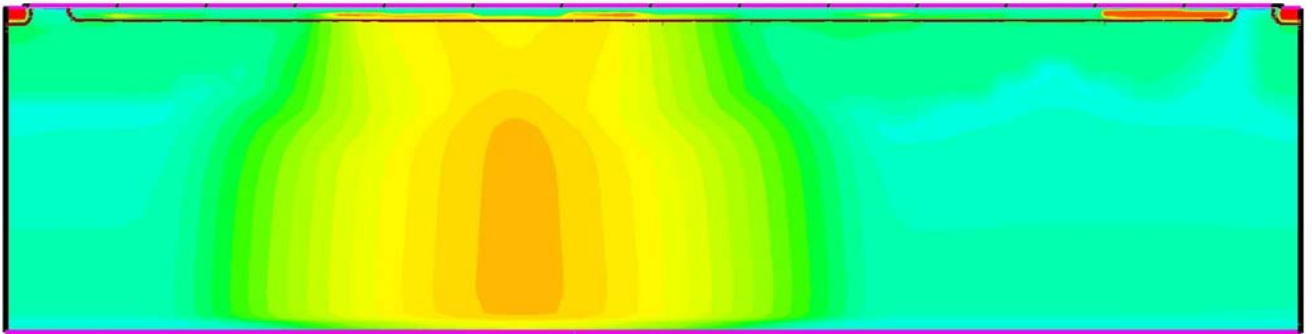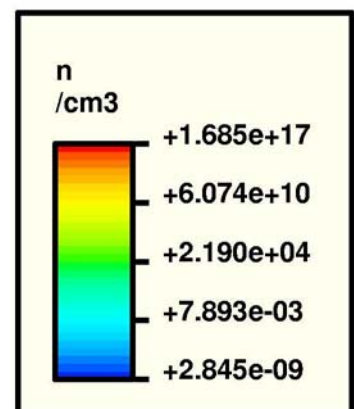# Simulation of MIP in CCD
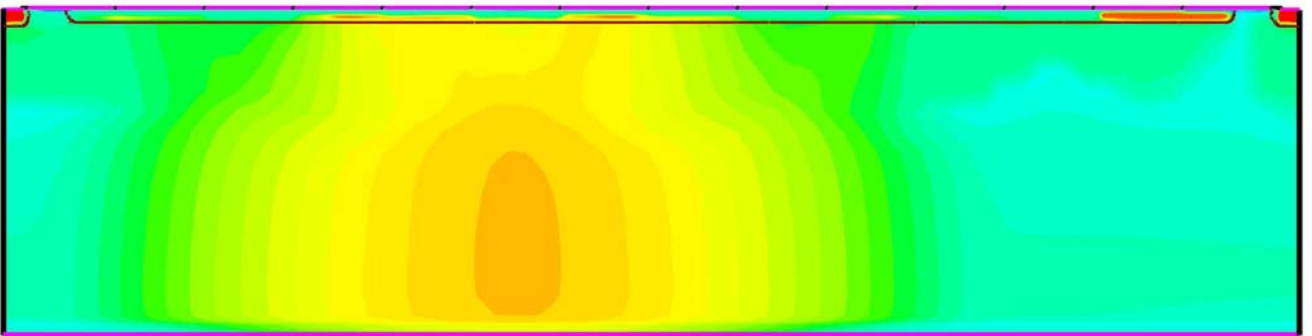
- Charge deposited by MIP diffuses through CCD and is trapped in buried channel:
  - ◆ After 1 ns

  - ◆ After 2 ns

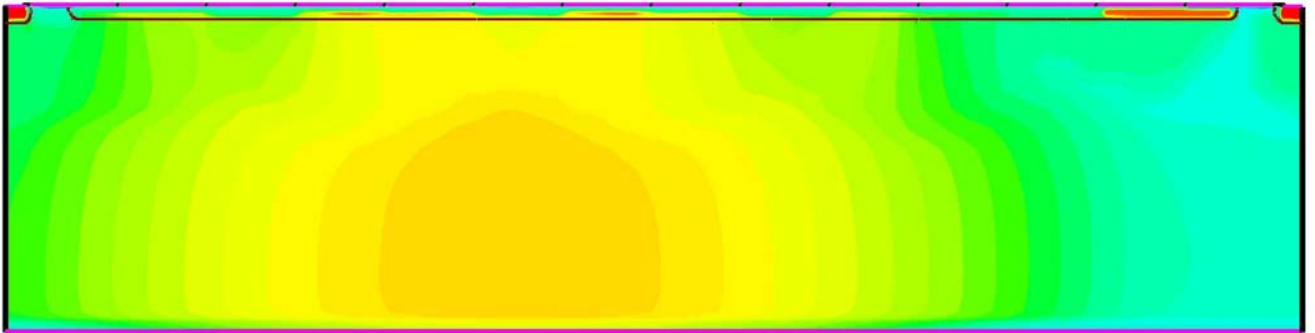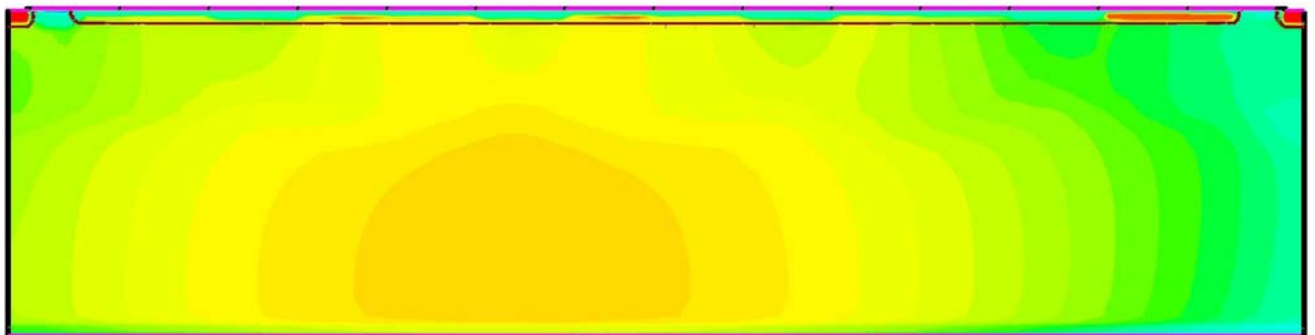| n /cm3	
	+1.685e+17
	+6.074e+10
	+2.190e+04
	+7.893e-03
	+2.845e-09

Simulation of MIP in CCD

- ◆ After 4ns

- ◆ After 8ns

- ◆ After 16ns

n
/cm3

+1.685e+17
+6.074e+10
+2.190e+04
+7.893e-03
+2.845e-09