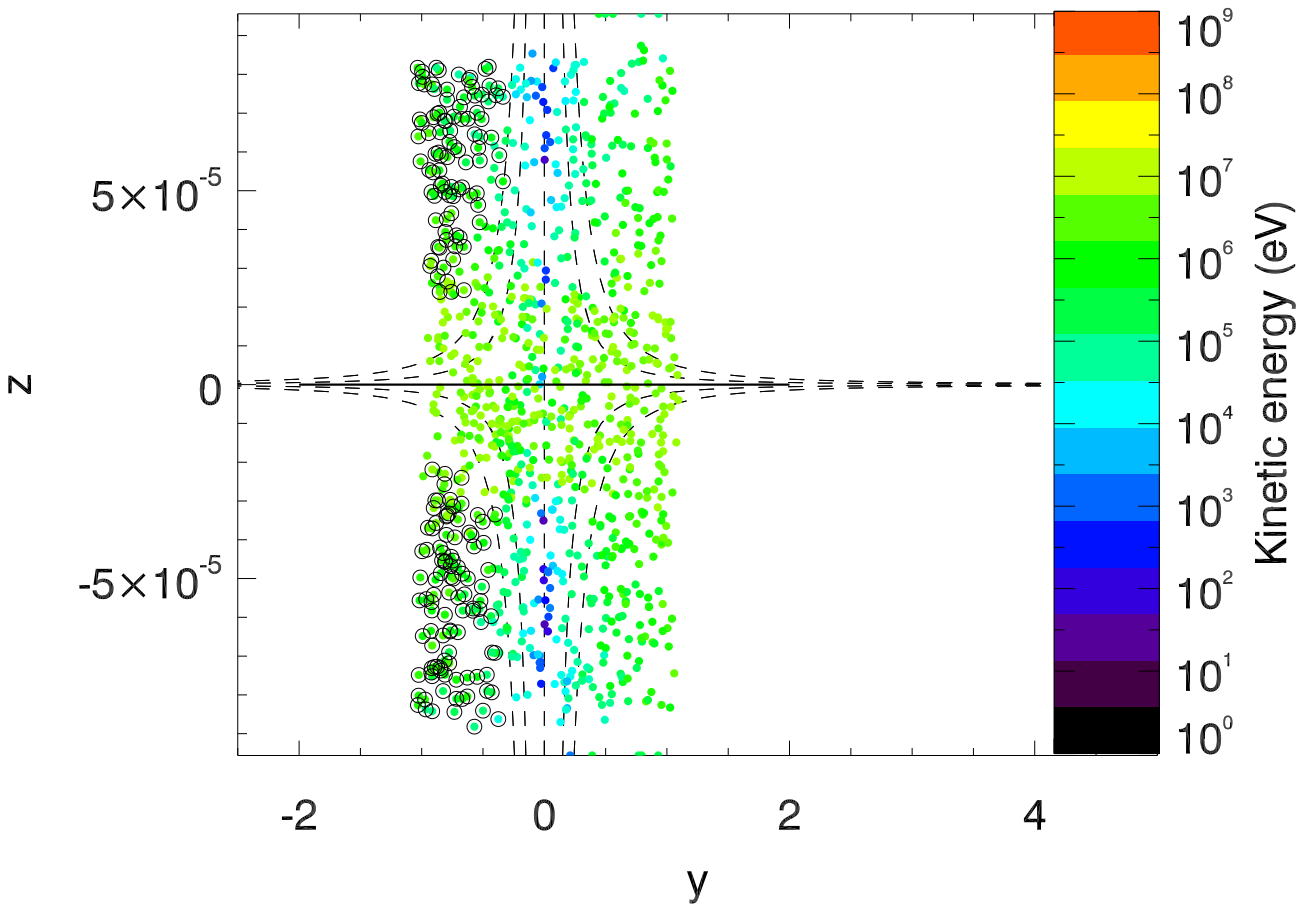
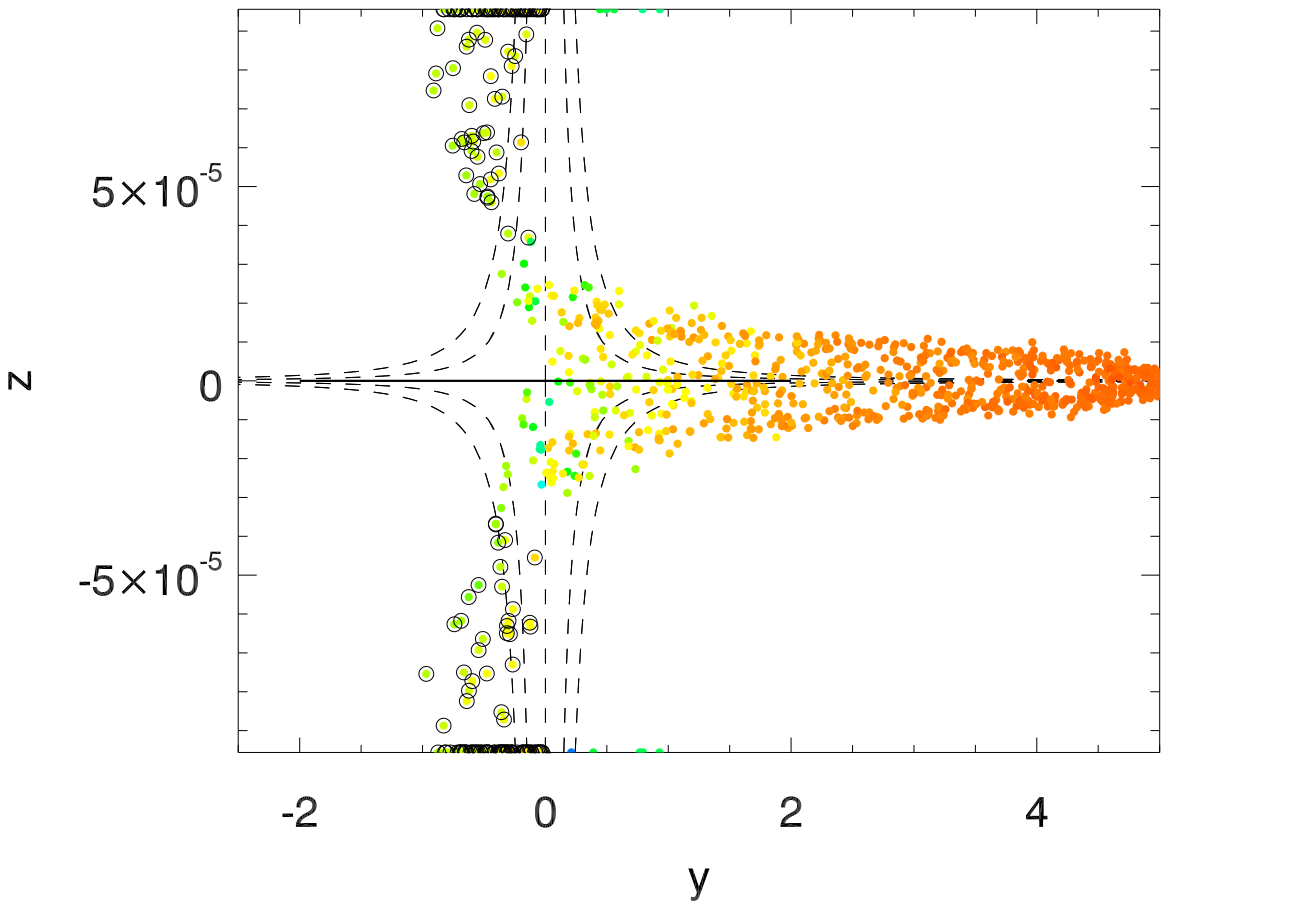


(a) $t = 1000$



(b) $t = 8000$