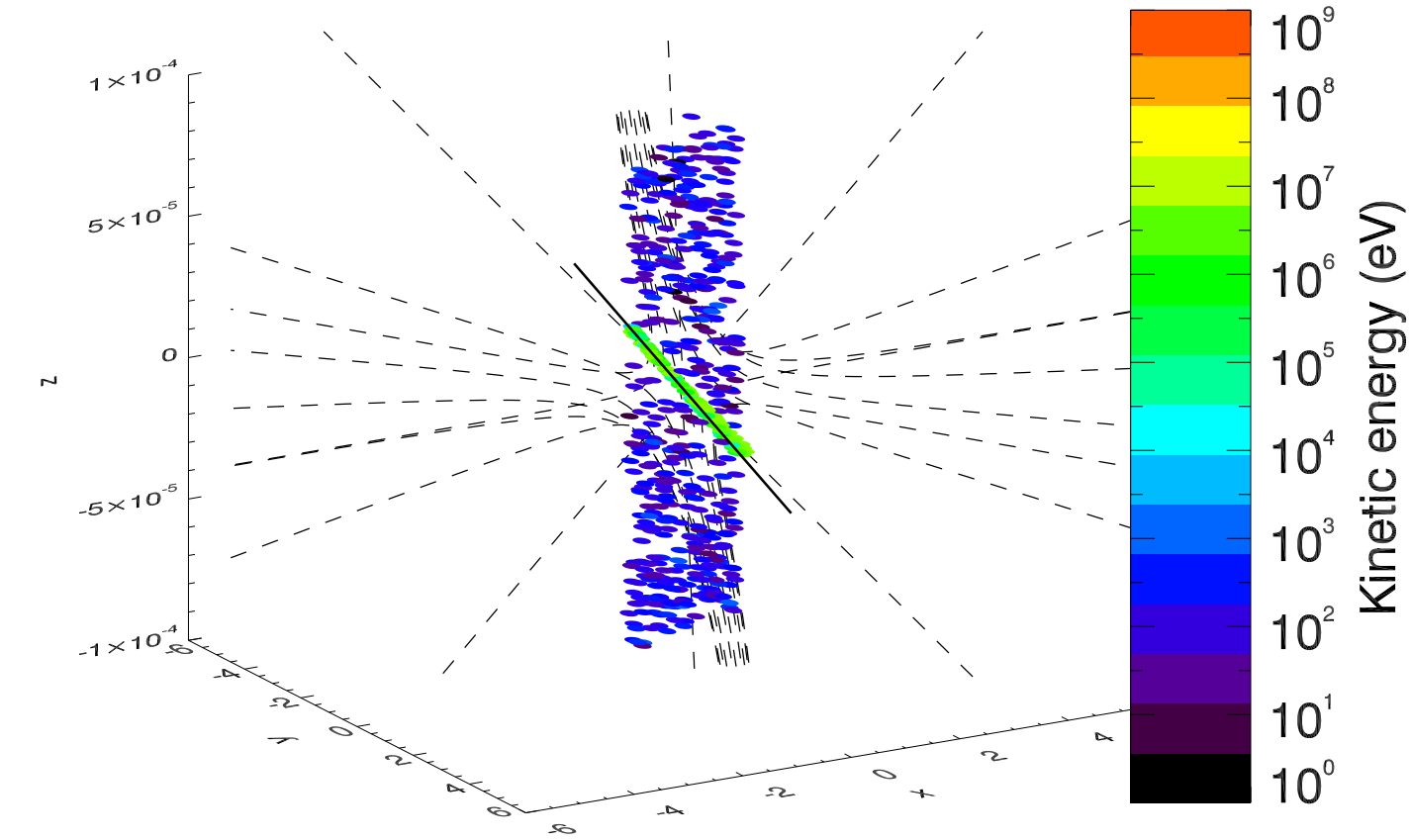
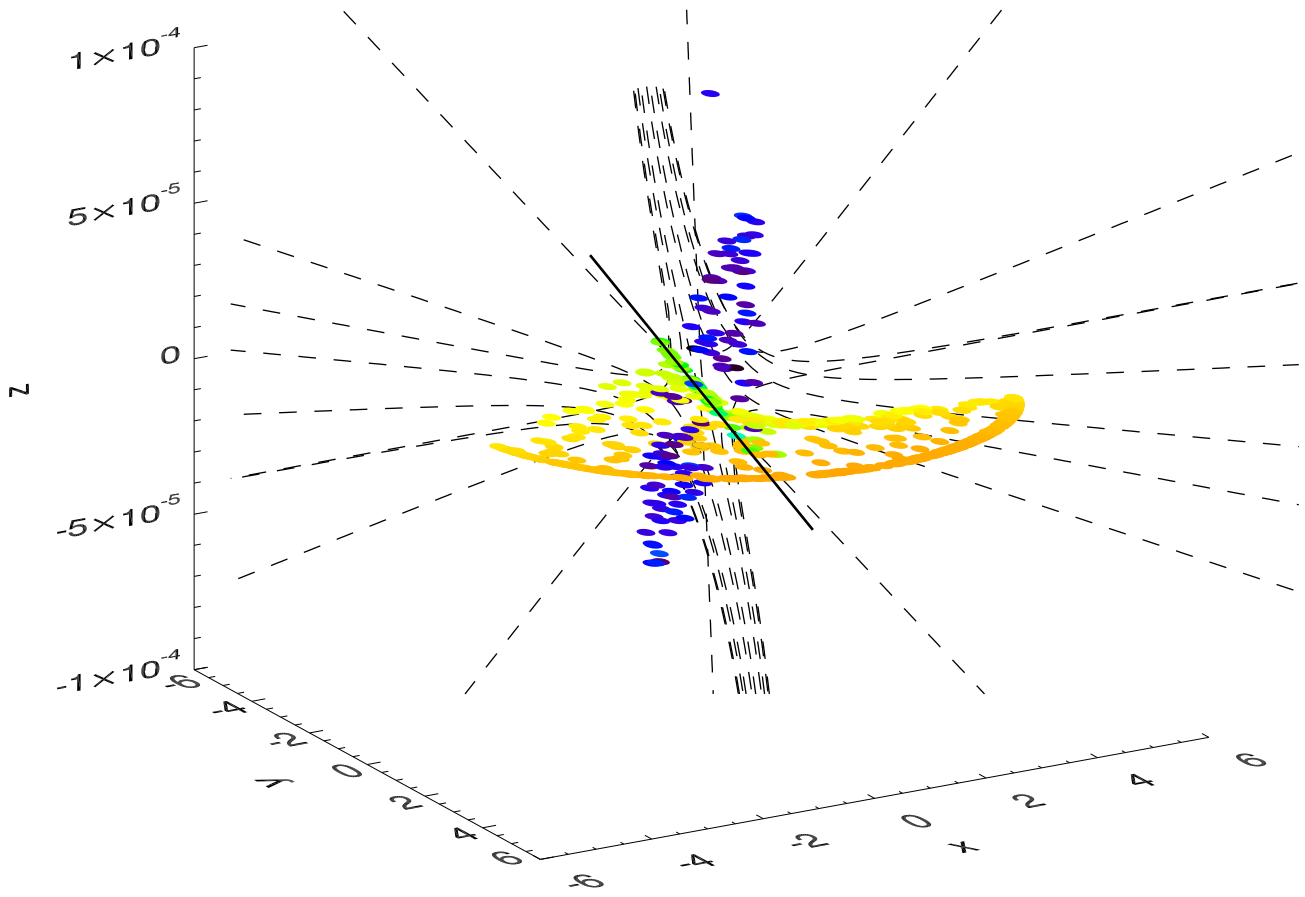


(a) $t = 2\,500$



(b) $t = 17\,500$