

(a)  $d = 1.8 \mu\text{m}$ ,  $T_{\text{ho}} = 111 \mu\text{s}$ ,  $z_{\text{max}} = 640 \mu\text{m}$ ,  $U_0 = 33E_R$ , and  $N_{\text{tot}} = 1.2 \times 10^5$

