

c1

 $\gamma = 0.70$ $\gamma = 0.35$ $\gamma = 0.20$ $\gamma = 0.10$ $M_{tar} = 0.01 M_{\oplus}$ $\Delta U/E_{imp}$ $M_{tar} = 0.1 M_{\oplus}$ $\Delta U/E_{imp}$ $M_{tar} = 1.0 M_{\oplus}$ $\Delta U/E_{imp}$ $\theta_{imp} [^{\circ}]$ $\theta_{imp} [^{\circ}]$ v_{imp}/v_{esc} 