

r3

 $\gamma = 0.50$ $\gamma = 0.20$ $\gamma = 0.10$ $M_{tar} = 0.2 M_{\oplus}$ $\Delta\theta$ $M_{tar} = 0.5 M_{\oplus}$ $\Delta\theta$ $M_{tar} = 1.0 M_{\oplus}$ $\Delta\theta$ $\theta_{imp} [^{\circ}]$

v_{imp}/v_{esc}

1.10	1.70
1.15	1.80
1.20	2.00
1.30	2.50
1.40	3.00
1.50	3.50
1.60	4.00

