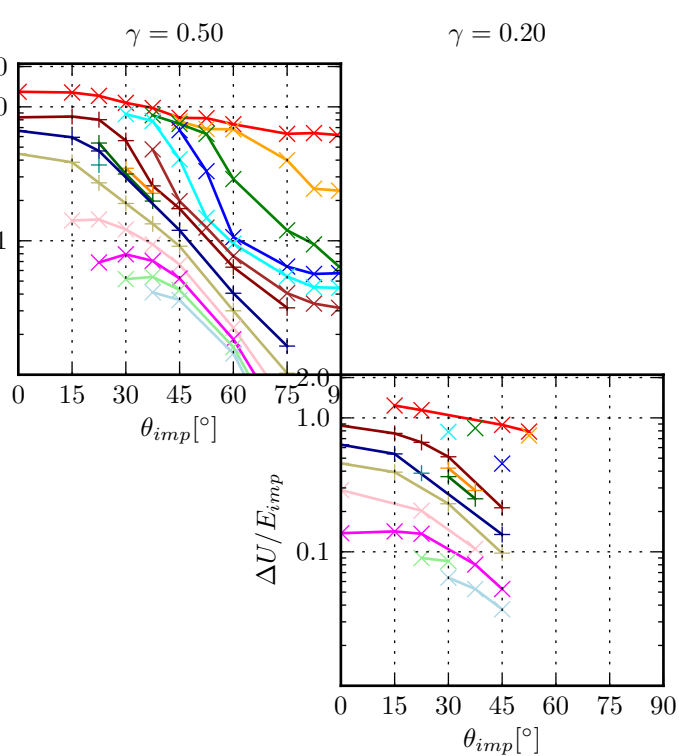


r3

 $\gamma = 0.50$ $\gamma = 0.20$ $\gamma = 0.10$ $M_{tar} = 0.2 M_{\oplus}$ $\Delta U/E_{imp}$  $M_{tar} = 1.0 M_{\oplus}$ v_{imp}/v_{esc} 