Central Episodes

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Case (a)

Parameters $N = 40,000$; $N_b = 2000$; $N_{bh} = 30$

Final masses 26, 28, 15; T + S at t = 500 Myr

Sling-shot $V_{esc} = 59, 10\ km/s$; $E_b/E > 2$

Case (b)

Parameters $N = 60,000$; $N_b = 3000$; $N_{bh} = 37$

Stage $inc = 109°; a = 3 \times 10^{-5}; e = 0.9998$

Evolution IPN $= 1, 2, 3; e \Rightarrow 0.99992$; $\Delta t/T_K = 200$

Coalescence $\Delta E_{rad} = -3 \times 10^{-4}, \Delta E_{err} = -6 \times 10^{-7}$

Criteria IPN $= 3; e > 0.9999; T_{coal} < 0.1; N_p = 0$

Conclusions Mass segregation & Kozai cycles